

Pumps—General Information

Cole-Parmer is dedicated to providing the widest selection of quality pumps available. Whether you're involved in an experimental and research laboratory, the industrial marketplace, or original equipment manufacturing (OEM), we've got the right model for your application.

To help you choose the best pump for your application, refer to the "Guide to Liquid Pumps" below and "Liquid Pump Flowchart" on 1330 to determine what each pump type can offer you.

Guide to Liquid Pumps

Use the guide below to help you select the best type of pump for your application. This information is intended as a general guideline and will not hold true for all pumps within a classification; check individual pump specifications on the given pages for complete details.

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..... **1914–1936**

Pump type	Page(s)	Max flow ranges		Max pressure	Self-priming	Pulseless flow	Fluid viscosity	Particulate matter	Run dry	Advantages
		GPM	L/min							
Air-operated diaphragm	1411	0.79	3	Up to 87 psi	Excellent	Fair	Medium	Yes	Yes	Low flow, simple operation with one diaphragm. Ideal for OEM or end-use applications.
Bellows	1398	0.008 to 5.3	0.003 to 20	Up to 73 psi	Good	Poor	Medium	Yes	Yes	Can pump liquids or gases
Centrifugal	1332–1349	2.3 to 380	8.7 to 1438	Up to 363 psi	Poor	Excellent	Light	No	No	Fluid transfer at high flow rates and low pressures
Diaphragm	927–928, 1398, 1409, 1411, 1420	0.004 to 3.0	0.015 to 11.4	Up to 300 psi	Good	Poor	Medium	No	Yes	High-accuracy; for applications such as pH/ORP control
Double-diaphragm	1412–1419, 1422	0.8 to 235	3.0 to 890	Up to 125 psi	Excellent	Fair	Medium	Yes	Yes	Use for highly viscous or particulate-laden fluids
Drum	1350–1365	3.5 to 63	13.2 to 238	Up to 100 psi	Poor	Excellent	Medium	No	No	Economical. No electrical parts
Flexible impeller	1421–1422	2.8 to 22.0	10.6 to 83.3	Up to 60 psi	Excellent	Excellent	Medium	Yes	No	Low-cost utility pump
Flexible liner	1421	1.0 to 10.0	3.8 to 37.8	Up to 50 psi	Excellent	Excellent	Medium	Yes	Yes	Gentle pumping action uses no seals—pulseless, can run dry
Gear	1371–1381	0.003 to 60	0.010 to 227	Up to 100 psi	Poor	Excellent	Medium	No	No	Pulseless flow at high pressures
Hand	1350–1356	3.0 to 32	11.4 to 121	—	Good	Fair	Light	No	No	Economical. No electrical parts
Ismatec peristaltic	1314–1328	0.007 to 3.4	0.026 to 13	Varies on tubing	Excellent	Fair	Heavy	Yes	Yes	Noncontaminating, high accuracy, available in a wide variety of pump materials
Masterflex® peristaltic	1210–1313	0.010 to 12.0	0.037 to 45.4	Up to 125 psi	Excellent	Fair	Heavy	Yes	Yes	Noncontaminating; available in a wide variety of pump materials
Microfluidics	923–934	2.6 x 10 ⁻¹⁰ to 0.528	1 x 10 ⁻¹² to 2	Up to 6000 psi	Fair	Excellent	Medium	No	No	Low-flow precision fluid distribution
Peristaltic (other)	1395–1397	0.03 to 7.08	0.113 to 26.8	Up to 125 psi	Excellent	Fair	Heavy	Yes	Yes	Noncontaminating
Piston	1388–1394	0.0004 to 0.34	0.0015 to 1.3	Up to 5000 psi	Good	Poor	Medium	No	No	Highest pressure and accuracy; ideal for HPLC applications
Plunger	1426	8.0	2.11	Up to 2500 psi	Poor	Poor	Medium	No	No	Achieve high pressures for injection and washing applications
Progressing cavity	1424–1425	0.09 to 13	0.35 to 0.2	Up to 360 psi	Fair	Excellent	Very heavy	Yes	No	Pulseless flow for highly viscous or particulate-laden fluids
Pressure washer	1427	2.0 to 4.0	7.5 to 15.1	Up to 3000 psi	N/A	Excellent	Light	No	No	High pressure capabilities; portability, heating
Pump systems	1429–1434	0.0009 to 50	0.0034 to 49.2	Up to 100 psi	Good	Excellent	Excellent	Yes	Yes	Complete systems configured to your exact needs
Roller	1428	3.8 to 8	14.3 to 30.2	Up to 50 psi	Excellent	Excellent	Medium	Yes	No	For high-temperature applications where some particulates are present
Rotary lobe	1423	9.0 to 13.0	34.0 to 189.25	Up to 100 psi	Fair	Excellent	Very heavy	No	Yes	Handles highly viscous fluids. Ideal for sanitary applications
Rotary vane	1428	0.75 to 4.3	2.84 to 16.3	Up to 240 psi	Fair	Very good	Light	No	No	High-pressure capabilities; low shear
Submersible	1346–1347	3.5 to 380	13.2 to 1438	Up to 230 psi	Poor	Excellent	Light	No	No	Use for emptying tanks or sumps
Syringe	1383–1387	0.002 to 0.40	0.008 to 1.51	Up to 40 psi	N/A	Excellent	Light	No	Yes	Low flow rates at high pressures

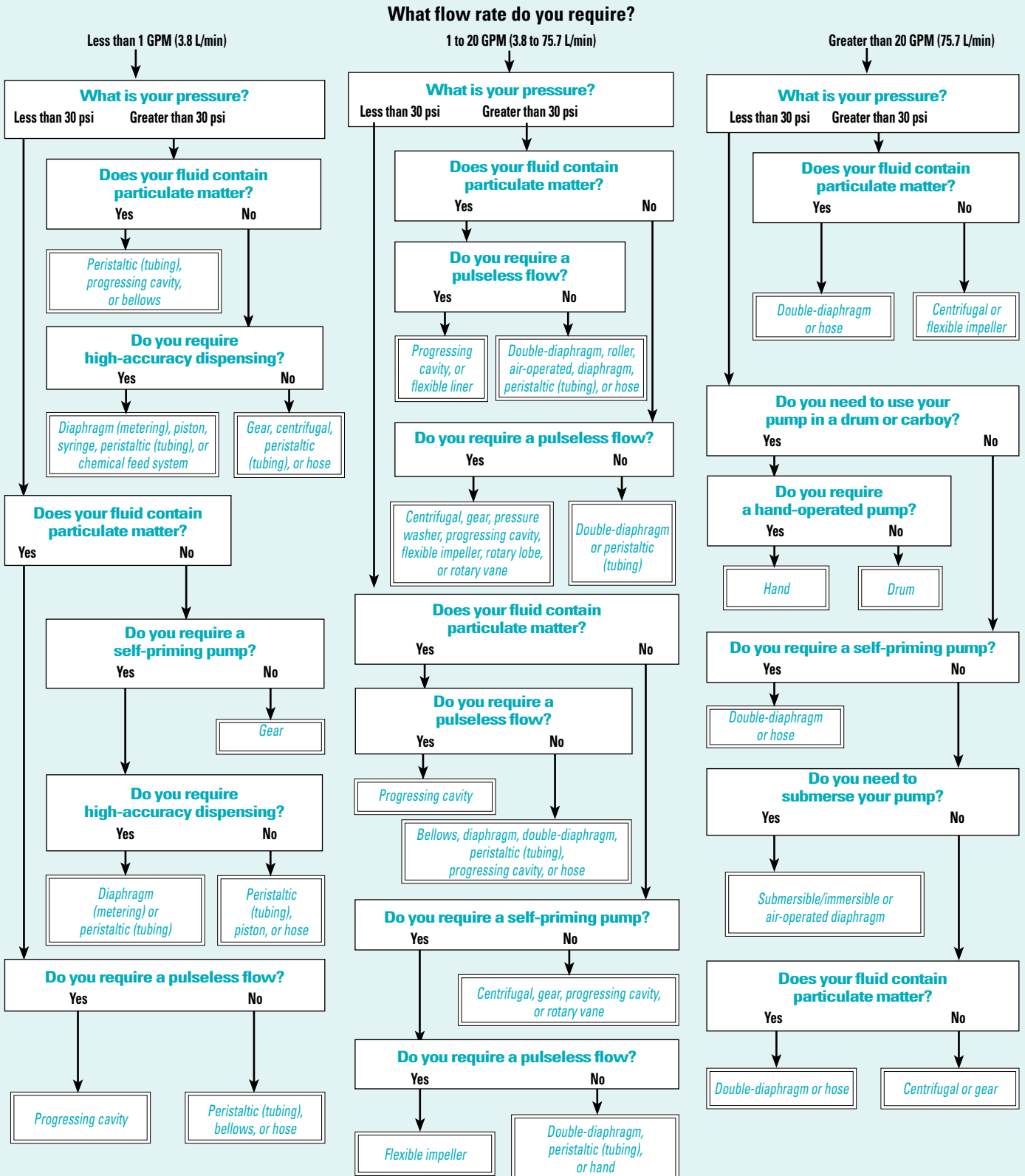
GO to ColeParmer.com

ColeParmer.com/Pumps to find the right pump for your application!

Liquid Pump Selection Flowchart

Based on your pumping requirements, follow the arrows to find the best pump for your application. See the "Guide to Liquid Pumps" (page 1329) for corresponding page numbers.

This flowchart is intended as a rough guideline—factors such as fluid viscosity, temperature, installation requirements, and chemical compatibility should be considered (see pages R-16 to R-24).



PU Pumps

Centrifugal, Introduction/Magnetic Drives

Centrifugal pumps offer high flowrates, low pressures, and pulseless flow at a low price—they're ideal for your general transfer applications. Simple design means quick installation, low maintenance, and easy repair. Most centrifugal pumps must be gravity fed or be utilized with a priming chamber; some are self-priming. Control the flow rate by restricting the flow at the outlet with a nozzle or valve, and in most cases, you can restrict the outlet indefinitely without damaging the pump. Centrifugal pumps should not be run dry.

Magnetic drives operate by a magnetic field that couples the impeller and motor together. There are no shafts or seals connecting the impeller and motor. Therefore, friction loss, wear, contamination, and leakage generally caused by shafts and seals are eliminated.

Mechanically coupled pumps utilize a rotating impeller driven by a shaft with a seal that is connected to the motor. They often are less expensive than magnetic drive pumps and can achieve higher flow-rates and pressures.

Typical applications

- Pilot plant processing
- Line cleaning/irrigation
- Feed pumps for spraying systems
- Cooling tower transfer
- Filling/draining

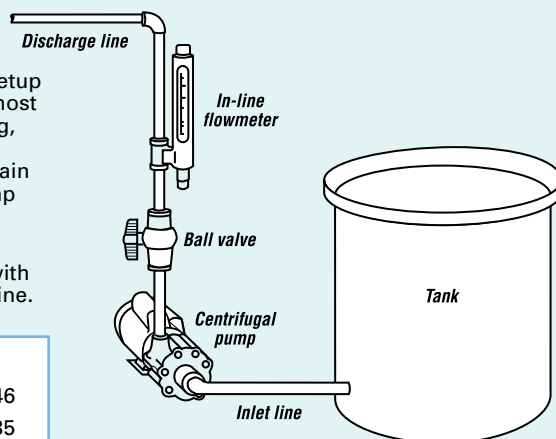
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Gravity Feed Installation

This illustration shows a typical setup for a gravity feed system. Since most centrifugal pumps require priming, be sure to position pump at the bottom of the supply tank and retain a liquid level higher than the pump inlet port.

You can regulate the output flow with a ball valve or a flowmeter with a control valve on the discharge line.



Related Products

- Fittings..... 487-546
- Flowmeters 556-635
- Level controllers and sensors..... 808-812
- Tanks..... 1658-1661
- Tubing..... 1845-1882
- Valves 1937-1963

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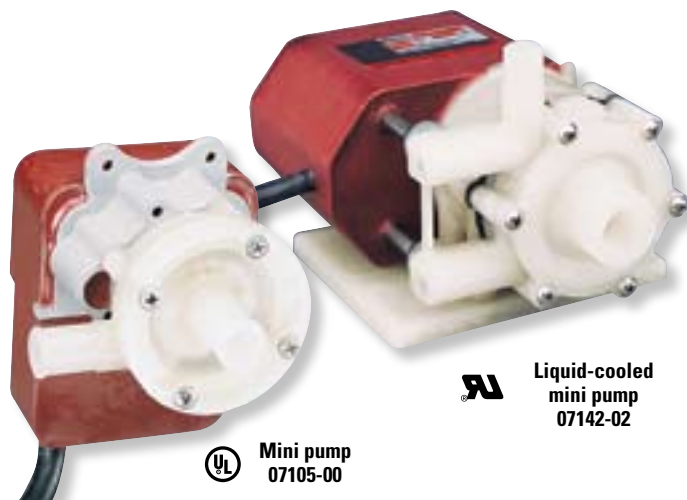
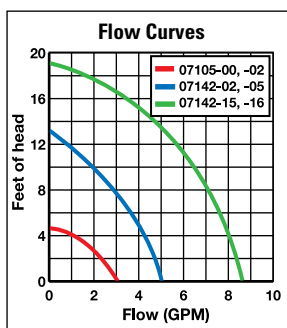
ColeParmer.com/CentrifugalPump
for the latest selection of pumps.

Mini Submersible Magnetic Drive Pumps

Operate fully submerged or in open air

- Good for low-viscosity liquids including solvents, dyes, inks, and mild corrosives
- Liquid-cooled models keep heat-sensitive fluids from warming up
- Thick (1/8") epoxy coating dissipates heat quickly and provides good chemical resistance

What's included: a three-wire cord; model 07105-00 also includes a plug.



Liquid-cooled mini pump 07142-02

UL Mini pump 07105-00

Specifications & Ordering Information

Wetted parts: polypropylene head, glass-filled nylon impeller, Buna-N O-ring, and 316 SS spindle (07105-00 and -02) or ceramic spindle (07142-02, -05, -15, and -16)

Duty cycle: continuous

Catalog number	Max flow (GPM)*	Max head (ft)*	Max system pressure (psi)	Max temp °F (°C)	Connections		Motor			Power			Dimensions (L x W x H)	Price
					Inlet	Outlet	hp	rpm	Type	VAC	Hz	Amps		
Mini pumps (UL listed)														
KH-07105-00 KH-07105-02	3.0	4.6	50	190 (88) [†]	1/2" OD	1/2" OD	1/200	3200	TENV	115 230	50/60 60	0.45 0.23	4 1/2" x 3 3/4" x 3 1/4"	
Liquid-cooled mini pumps (UL recognized)														
KH-07142-02 KH-07142-05	5.0	13.0	25	130 (54)	3/8" NPT(F) [‡]	1/4" NPT(M)	1/35	3200	TENV	115 230	50/60 50	1.0 0.5	6 1/8" x 4 3/4" x 4 1/8"	
KH-07142-15 KH-07142-16	8.5	19.0	25	130 (54)	3/4" NPT(F)	1/2" NPT(M)	1/20	3200	TENV	115 230	60 50	2.35 1.2	7 1/4" x 4 3/4" x 4 3/4"	

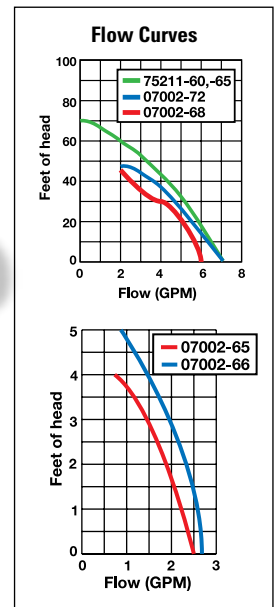
*At 60 Hz; flow rate and head at 50 Hz are 5/6 of given values. [†]Max temp is 190°F (88°C) in open air, 160°F (71°C) fully submerged. [‡]Inlet connection is also 3/4" NPT(M) threaded.

Cole-Parmer® 316 SS Magnetic Drive Pumps

316 SS pump body with PTFE bushings and O-rings resists corrosion and promotes contamination-free pumping

- Variable-flow models 75211-60 and -65 feature a variable-speed motor and potentiometer for easy and repeatable flow rate settings
- Use air model 07002-68 or explosion-proof model 07002-66 in hazardous environments for flammable liquids
- Air motor requires 10 cfm at 20 psi for max flow; order filter/regulator 07042-75 and lubricator 07042-70 for proper operation

What's included: a 6-ft, three wire cord (the 115 VAC models have a U.S. standard plug).



Specs & Ordering Information

ISO 9001:2000
CERTIFIED SUPPLIER

Wetted materials: 316 SS pump bodies, bushings and O-rings of PTFE



Duty cycle: continuous

Catalog number	Max flow (GPM)	Max head (ft)	Max system pressure (psi)	Max temperature °F (°C)	Connections		Motor			Power			Dimensions (L x W x H)	Price
					Inlet	Outlet	hp	rpm	Type	VAC	Hz	Amps		
KH-75211-60 KH-75211-65	7.0	69.3	200	250 (121)	3/8" NPT(F)	1/4" NPT(F)	1/7	9000	PMDC	115 230	50/60	1.5 0.8	8 1/2" x 6 3/8" x 5 9/12"	
KH-07002-65 KH-07002-66	2.5*	4.0					1/20	3150*	TEFC	115/230	50/60	1.6/0.8		
KH-07002-72	2.8*	5.0					1/5	3150*	XPRF†	115/230	50/60	2/1.0		
KH-07002-68	7.0	46.2					1/10	7500	Universal	115	N/A	1.8		
KH-07002-68	6.0	46.2					1/4	8000	Air	N/A	N/A	N/A	6 13/16" x 4" x 5 1/16"	

*Flow rate and rpm at 50 Hz will be 3/5 of flow rate and rpm at 60 Hz. †For Class 1, Groups C and D hazardous locations.

KH-07042-75 Air filter/regulator; 1/4" NPT(F) ports. Includes 0 to 160 psi gauge and mounting kit

KH-07042-70 Lubricator; 1/4" NPT(F) ports. Use light spindle oil with 80 to 160 SSU viscosity

KH-07002-07 Service kit. Contains thrust plate, bushing, and PTFE O-ring; 316 SS wear plate and magnet cup assembly

Cole-Parmer® Canned Motor Sealless Pumps

Rotating magnetic field drives impeller—provides sealless, leak-free pumping

- Noryl® models provide thermal protection to protect motor against dry running or stalled rotor conditions
- Service pump without removing liquid connections

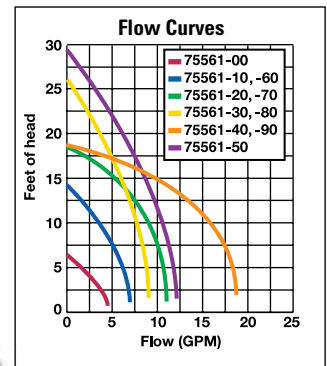
What's included: 6-ft power cord with three-prong grounded plug.

Specifications & Ordering Information



Wetted parts: EPDM O-ring, Noryl and 316 stainless steel impeller, carbon graphite and ceramic bearing

Duty cycle: continuous



Catalog number	Max flow (GPM)	Max head (ft)	Max system pressure (psi)	Max temp °F (°C)	Connections		Motor		Power			Dimensions (L x W x H)	Price	
					Inlet	Outlet	hp	Type	VAC	Hz	Amps			
Pumps with Noryl housing														
KH-75561-00	4	6	50	140 (60)	1/2" NPT(M)	1/2" NPT(M)	1/150	Solid potted	115	60	0.3	7" x 4 1/2" x 6"		
KH-75561-10	7	14					1/50				0.6	7 1/4" x 4 1/2" x 6"		
KH-75561-20	11	18					1/20				0.9	7" x 3 3/4" x 5 5/8"		
KH-75561-30	9	26					1/15				1.3	7 1/4" x 4 1/2" x 6"		
KH-75561-40	12	28										8" x 4 1/2" x 6"		
KH-75561-50	18	18	1" hose barb	1" hose barb										
Pumps with stainless steel housing														
KH-75561-60	7	14	150	230 (110)	3/4" NPT(F)	3/4" NPT(F)	1/50	Solid potted	115	60	0.6	7 1/4" x 4 1/2" x 6"		
KH-75561-70	11	18					1/20				0.9			
KH-75561-80	9	26					1/15				1.3			8" x 4 1/2" x 6"
KH-75561-90	12	28												

PU Pumps

Centrifugal, Magnetic Drives

Magnetic Drive Pumps with Enclosed Motors

Twin bearing system handles thrust loads for extended service life

- Quiet, energy efficient, and compact
- Internal cooling circuit reduces bearing temperature
- Enclosed motor for use in harsh environments

A Moderate-Flow Polypropylene Pumps are an ideal option for process, recirculation or transfer applications where continuous flow and excellent chemical resistance are needed.

B Fluoroplastic Pumps with carbon fiber-reinforced ETFE are designed for highly corrosive or high purity applications.

C High-Head Polypropylene Pumps have a closed impeller design to significantly increase the output pressure. Polypropylene construction provides excellent chemical resistance in applications, such as filtration, where a high-head is needed.

D High-Flow Polypropylene Pumps utilize an open impeller design to produce high flows with very little horsepower.

What's included: a 6-ft cord with stripped ends.



Polypropylene moderate-flow pump 72010-20



Fluoroplastic pump 72011-00

A Moderate-Flow Polypropylene Pumps

Specifications & Ordering Information

Wetted parts

Front/rear casings and impeller/magnet capsule:
glass fiber-reinforced polypropylene
Spindle and thrust ring: alumina ceramic 99.5%
Casing O-ring: Viton®
Bearing: PTFE

Duty cycle: continuous

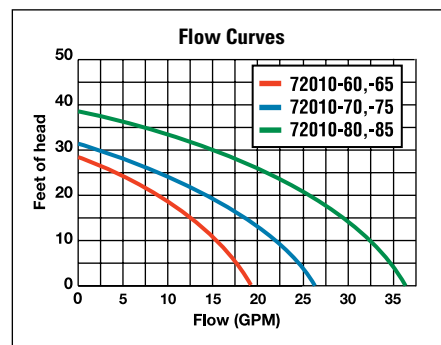
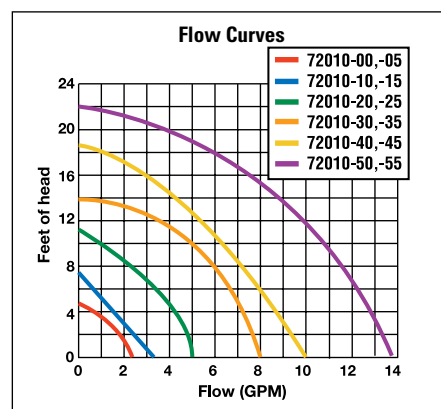


115 V only



230 V only

Catalog number	Max flow (GPM)	Max head (ft)	Max system pressure (psi)	Max temp °F (°C)	Connections		Motor		Power		Dimensions (L x W x H)	Price
					Hose barb	NPT(M)	hp	rpm	VAC	Amps		
KH-72010-00 KH-72010-05	2.3	4.5	2.8	176 (80)	1/2"	—	1/250	3400	115 220	0.25 0.13	4 1/8" x 3" x 3 3/4"	
KH-72010-10 KH-72010-15	3.1	6.8	4.3	176 (80)	1/2"	—	1/125	3400	115 220	0.40 0.20	4 1/8" x 3" x 3 3/4"	
KH-72010-20 KH-72010-25	5	11.1	7.2	176 (80)	1/2"	—	1/75	3400	115 220	0.29 0.15	7 1/8" x 3 3/4" x 4 1/2"	
KH-72010-30 KH-72010-35	8.2	14.1	10.0	176 (80)	5/8"	—	1/38	3400	115 220	0.53 0.27	8 1/4" x 4 1/4" x 4"	
KH-72010-40 KH-72010-45	10	17.7	11.6	176 (80)	—	3/4"	1/16	3400	115 220	1.10 0.55	10 1/8" x 4 3/4" x 4 1/8"	
KH-72010-50 KH-72010-55	13.7	21.3	14.2	176 (80)	—	3/4"	1/12	3400	115 220	1.30 0.65	10 5/8" x 4 3/4" x 5 1/8"	
KH-72010-60 KH-72010-65	18.4	26.9	17.1	176 (80)	—	1"	1/9	3400	115 220	1.60 0.80	10 7/8" x 4 3/4" x 6 1/8"	
KH-72010-70 KH-72010-75	25.6	31.8	21.3	176 (80)	—	1"	1/4	3400	115 220	2.80 1.40	10 1/4" x 5 3/4" x 6 1/8"	
KH-72010-80 KH-72010-85	35.6	39	25.6	176 (80)	—	1"	1/3	3400	115 220	3.40 1.70	12 3/4" x 6 1/4" x 7"	



B Fluoroplastic Pumps

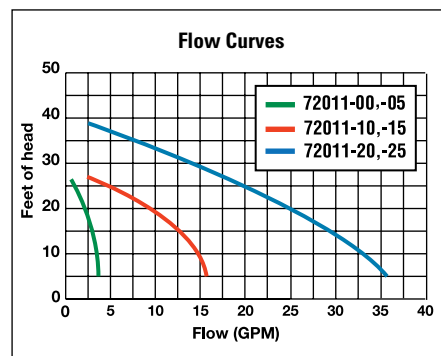
Specifications & Ordering Information

Wetted parts

Front/rear casings and impeller/magnet capsule:
carbon fiber-reinforced ETFE
Spindle and thrust ring: silicone carbide
Casing O-ring: Viton®
Bearing: silicone carbide

Duty cycle: continuous

Catalog number	Max flow (GPM)	Max head (ft)	Max system pressure (psi)	Max temp °F (°C)	Connections NPT(M)	Motor		Power		Dimensions (L x W x H)	Price
						hp	rpm	VAC	Amps		
KH-72011-00 KH-72011-05	3.2	26	17	176 (80)	1/2"	1/16	3300	115 230	0.25 0.13	9 1/8" x 4 3/4" x 5 1/8"	
KH-72011-10 KH-72011-15	16	26	21.3	176 (80)	1"	1/9	3300	115 230	1.9 0.95	10 3/4" x 4 3/4" x 6 1/8"	
KH-72011-20 KH-72011-25	36	38	31.2	176 (80)	1"	1/3	3300	115 230	3.4 1.7	12 5/8" x 6 1/4" x 6 7/8"	



Centrifugal, Magnetic Drives

Related Products

- Fittings..... 487-546
- Flowmeters 556-635
- Level controllers and sensors..... 808-812
- Tanks..... 1658-1661
- Tubing..... 1845-1882
- Valves 1937-1963



Polypropylene high-head pump 72012-10



Polypropylene high-flow pump 72013-00



Call our Application Specialists for assistance in selecting a centrifugal pump best suited for your application.

847-549-7600

C High-Head Polypropylene Pumps

Specifications & Ordering Information

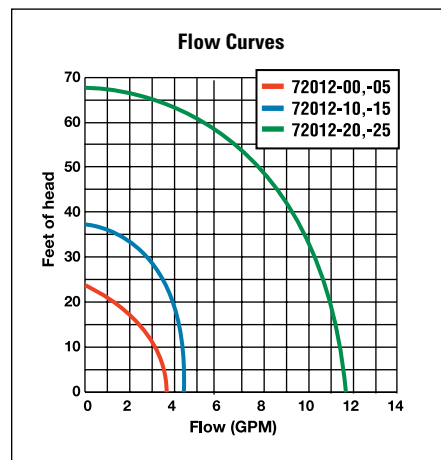


Wetted parts

Front/rear casings and impeller/magnet capsule: glass fiber-reinforced polypropylene
 Spindle and thrust ring: alumina ceramic 99.5%
 Casing O-ring: Viton®
 Bearing: PTFE

Duty cycle: continuous

Catalog number	Max flow (GPM)	Max head (ft)	Max system pressure (psi)	Max temp °F (°C)	Connections		Motor		Power		Dimensions (L x W x H)	Price
					Hose barb	NPT(M)	hp	rpm	VAC	Amps		
KH-72012-00 KH-72012-05	2.9	22.6	14.2	176 (80)	5/8"	—	1/38	3400	115 230	0.53 0.27	8 ³ / ₈ " x 4 ¹ / ₄ " x 5"	
KH-72012-10 KH-72012-15	4.6	36.1	24.2	176 (80)	5/8"	—	1/16	3400	115 230	1.00 0.50	9 ⁵ / ₈ " x 4 ³ / ₄ " x 5 ¹ / ₈ "	
KH-72012-20 KH-72012-25	11.4	66.6	42.7	176 (80)	—	3/4"	1/4	3400	115 230	3.80 1.90	9 ³ / ₄ " x 5 ³ / ₄ " x 6 ¹ / ₂ "	



D High-Flow Polypropylene Pumps

Specifications & Ordering Information

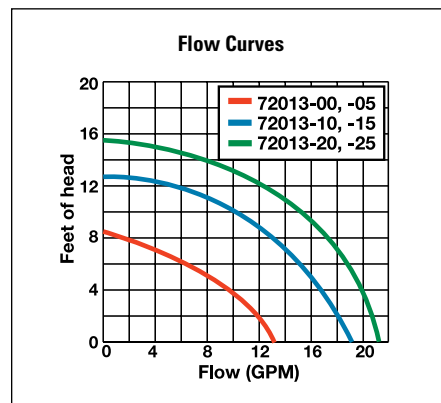


Wetted parts

Front/rear casings and impeller/magnet capsule: glass fiber-reinforced polypropylene
 Spindle and thrust ring: alumina ceramic 99.5%
 Casing O-ring: Viton
 Bearing: PTFE

Duty cycle: continuous

Catalog number	Max flow (GPM)	Max head (ft)	Max system pressure (psi)	Max temp °F (°C)	Connections NPT(M)	Motor		Power		Dimensions (L x W x H)	Price
						hp	rpm	VAC	Amps		
KH-72013-00 KH-72013-05	13.47	8.2	5.7	176 (80)	1"	1/38	3200	115 230	0.50 0.25	8 ³ / ₈ " x 4 ¹ / ₄ " x 4 ¹ / ₄ "	
KH-72013-10 KH-72013-15	19	13.5	8.5	176 (80)	1"	1/16	3200	115 230	1.00 0.50	10 ³ / ₈ " x 4 ³ / ₄ " x 5 ¹ / ₂ "	
KH-72013-20 KH-72013-25	22.4	15.4	10.0	176 (80)	1"	1/12	3200	115 230	1.90 0.95	10 ³ / ₄ " x 4 ³ / ₄ " x 5 ⁵ / ₈ "	



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PP Pumps

Centrifugal, Magnetic Drives

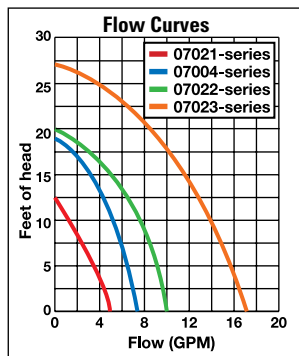
Magnetic Drive Pumps with Open Drip Proof (ODP) Motor

Polypropylene (PP)-encapsulated magnets offer excellent chemical resistance

- Easily disassemble pumps for cleaning
- ODP pumps provide an economical option for use in chemical OEM and industrial applications

What's included:

mounting base and 3-ft, three-wire cord (no plug).



07021-00

07023-05



Service Kits include impeller/magnet assembly and Viton® O-ring.

Cat. no.	For pump models	Price
KH-07021-10	07021-00, -02	
KH-07021-11	07021-01, -03	
KH-07004-02	07004-30, -32	
KH-07022-10	07022-20, -22	
KH-07022-11	07022-21, -23	
KH-07023-10	07023-05, -12	
KH-07023-11	07023-06, -13	

Specs & Ordering Information

Wetted parts: polypropylene (PP) body and impeller, Viton® O-ring, PP-encapsulated ceramic spindle

Duty cycle: continuous

Max flow* (GPM)	Max head (ft)	Max system psi	Max temp °F (°C)	Connections		Motor		Dimensions (L x W x H)	Encapsulated magnet	115 VAC, 50/60 Hz			230 VAC, 50/60 Hz		
				Inlet	Outlet	hp	rpm			Catalog number	Amps	Price	Catalog number	Amps	Price
5	13	50	190 (88)	3/4" NPT(M) or 3/8" NPT(F)	1/4" NPT(M)	1/40	3450	7 3/8" x 3 1/2" x 4 1/2"	No [†]	KH-07021-00	1.0		KH-07021-02	1.0	
7.6	19				5/8" hose barb	5/8" hose barb	1/25	3400	7 3/4" x 3 1/2" x 5"	No [†]	KH-07021-01	1.4		KH-07021-03	0.7
10	20.5			3/4" NPT(F)	1/2" NPT(M)	1/15	3200	9 1/8" x 4" x 5"	No [†]	KH-07022-20	2.1		KH-07022-22	1.0	
17	27			1" NPT(F)	1/2" NPT(M)	1/8	3200	9 1/4" x 4 1/2" x 6 1/4"	No [†]	KH-07022-21	2.2		KH-07022-23	1.1	
									Yes	KH-07023-05			KH-07023-12		
									Yes	KH-07023-06			KH-07023-13		

*Flow rates at 50 Hz will be 5/6 of flow rates listed.

[†]Ferrite magnet comes in contact with fluid.

Fittings for all pumps on this page

[KH-30621-62 Fitting](#); HDPE, 3/8" NPT(M) x 3/8" hose barb. Pack of 10

[KH-30621-77 Fitting](#); HDPE, 1/2" NPT(M) x 1/2" hose barb. Pack of 10

[KH-30621-12 Fitting](#); HDPE, 3/4" NPT(M) x 3/4" hose barb. Pack of 10

[KH-30610-53 Fitting](#); PP, 1" NPT(M) x 1" hose barb. Pack of 5

[KH-31701-20 Fitting](#); nylon, 1/4" NPT(F) x 1/4" hose barb. Pack of 10

[KH-06464-10 Fitting](#); PVC, 1/2" NPT(F) x 1/2" hose barb

Magnetic Drive Pumps with 24 VDC Motors

DC-powered motors are lightweight and portable—excellent for outdoor sampling and transfer of fluids

- Sealless pump is great when used with chemically aggressive water samples—no replacement of dirty seals
- Compact, brushless design
- Internal cooling circuit reduces bearing temperature
- Pinpoint bearings allow for run dry capabilities up to 8 hours

What's included: 6-ft cord with stripped ends.

Specifications & Ordering Information

Wetted parts

Front/rear casings: glass fiber-reinforced polypropylene
Bearings: PPS for 72008-00 and -10;
PTFE for 72008-20 and -30
O-ring: Viton®

Operating temperature:
32 to 104°F (0 to 40°C)

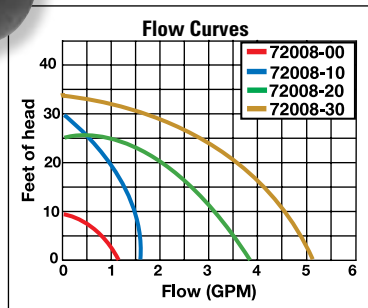
Duty cycle: continuous

Maximum specific gravity: 1



72008-00

1 year warranty



Catalog number	Max flow* (GPM)	Max head* (ft)	Temp range °F (°C)	Connections		Motor rpm	Power		Dimensions (L x W x H)	Price
				Inlet	Outlet		Power	Amps		
KH-72008-00	1.1	10	32 to 140 (0 to 60)	1/2"	5/16"	3000	24 VDC	0.4	3.7" x 3" x 3"	
KH-72008-10	1.6	30		1/2"	5/16"	6000	24 VDC	1.6	4 1/8" x 2 1/8" x 3 1/4"	
KH-72008-20	4.0	26		3/4"	3/4"	3200	24 VDC	2.5	4 1/8" x 4 3/8" x 4 3/4"	
KH-72008-30	5.3	33		3/4"	3/4"	3500	24 VDC	3.2	4 1/8" x 4 3/8" x 4 3/4"	

*Max flow is based on 0 psi discharge head. Max head is based on 0 GPM flow.

GO to ColeParmer.com

Click Here

For additional 115 and 230 VAC models, enter "Polypropylene Pumps" into the online "Catalog Search" box and click "Go".

Brushless DC Magnetic Drive Pumps

Maintenance-free, DC brushless drive provides for long hours of operation

- Two wet-end materials of construction to choose from: polypropylene and fluoroplastic (ETFE)
- Closed-impeller models provide higher maximum feet of head
- Compact and efficient

What's included: 4-ft power cord with stripped ends.

Specifications & Ordering Information



Wetted parts

Polypropylene pumps: glass-fiber filled polypropylene, ceramic, PTFE, Viton® O-ring
 Fluoroplastic (ETFE) pumps: carbon-fiber filled ETFE, ceramic Sic, PTFE, Viton O-ring

Duty cycle: continuous

Maximum specific gravity: 1

Encapsulated magnet: yes



72020-10

GO to ColeParmer.com
 for brushless DC magnetic drive pumps with wetted parts of Kynar® (PVDF).
[Click Here](#)

Catalog number	Max flow (GPM)	Max head (ft)	Max temp °F (°C)	Connections		Motor rpm	Power		Dimensions (L x W x H)	Price
				Hose barb	NPT(M)		VDC	Amps		
Polypropylene pumps										
KH-72020-00	4	6	140 (60)	1/2"	—	3000	12	0.625	3 3/4" x 3" x 3 3/4"	
KH-72020-05	4	6			—		24	0.31		
KH-72020-10	3.5	5.5			—		12	1.33		
KH-72020-15	3.5	5.5			—		24	0.67		
KH-72020-20*	3.1	7			—		12	1.42		
KH-72020-25*	3.1	7		—	24		0.7			
KH-72020-30	5.8	8.5		—	12		2	6 3/4" x 3 3/4" x 4 1/3"		
KH-72020-35	5.8	8.5		—	24		1			
KH-72020-40	8	10		—	12		2.17			
KH-72020-45	8	10		—	24		1.08			
KH-72020-50*	3.6	15.25	—	12	3.33					
KH-72020-55*	3.6	15.25	—	24	1.67	7 1/2" x 3 3/4" x 5"				
Fluoroplastic (ETFE) pumps										
KH-72022-00	5.8	8.5	194 (90)	3/4"	—	3000	12	2	6 3/4" x 3 3/4" x 4 1/3"	
KH-72022-05	5.8	8.5			—		24	1		
KH-72022-10	8	10			—		12	2.17		
KH-72022-15	8	10			—		24	1.08		
KH-72022-20*	3.6	15.25			—		12	3.33		
KH-72022-25*	3.6	15.25			—		24	1.67		

*Closed-impeller models

High-Head Brushless DC Magnetic Drive Pumps

Maintenance-free, brushless DC drive provides for long hours of operation

- High-head configurations
- Variable-speed ready (72025-75, -85, -95)
- Compact and efficient

What's included: 4-ft power cord with stripped ends.

Specifications & Ordering Information

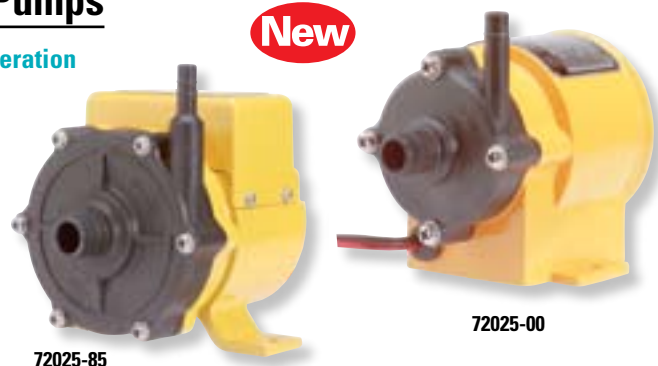


Wetted parts: glass-fiber-filled polypropylene, ceramic, PTFE, Viton® O-ring

Duty cycle: continuous

Maximum specific gravity: 1

Encapsulated magnet: yes



72025-85

72025-00

Catalog number	Max flow (GPM)	Max head (ft)	Max temp °F (°C)	Connections (hose barb)		Motor rpm	Power		Dimensions (L x W x H)	Price	
				Inlet	Outlet		VDC	Amps			
High-head magnetic drive pumps											
KH-72025-00	1.6	14.8	140 (60)	9/16"	5/16"	3700	12	1.08	3 15/16" x 2 29/32" x 3 19/32"		
KH-72025-05						3700	24	0.54			
KH-72025-15						5500	24	1.25			
KH-72025-25	2.2	29		11/16"	11/16"	3200	24	1.88			4 21/32" x 4 13/32" x 4 23/32"
KH-72025-35						3000	24	2.29			
KH-72025-45						3300	24	2.71			
High-head variable-ready magnetic drive pumps											
KH-72025-75	2.2	29	140 (60)	11/16"	11/16"	3200	24	1.88	4 21/32" x 4 13/32" x 4 23/32"		
KH-72025-85	4.2	27				3000	24	2.29			
KH-72025-95	5.4	36				3300	24	2.71			

PU Pumps

Centrifugal, Magnetic Drives

Cole-Parmer Magnetic Drive Pumps

Heavy-duty impeller spindle and fluted impeller combine for efficient cooling

- Pumps available with or without 56 C-face motors—install the motor you need!
- Pumps with motor are close-coupled for easy installation and maintenance
- Ideal for fluid transfer or circulation—use pumps for chemical processing plants and water and wastewater treatment centers

What's included: all pumps with motors are set up for hardwiring and are rated for 50/60 Hz duty.



PP pump with motor
75226-35

Specifications & Ordering Information

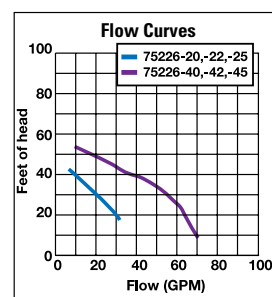
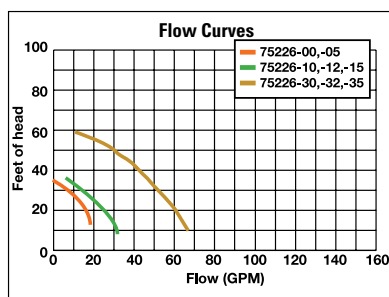
Wetted parts

PP models: PP pump head, impeller; ceramic shaft; carbon fiber-filled PTFE thrust ring and sleeve bearings; EPDM O-ring
SS models: SS pump head, impeller, shaft, carbon fiber-filled PTFE wear ring and sleeve bearings; Viton® O-ring

Duty cycle: continuous

Maximum specific gravity: 140 cp

Encapsulated magnet: yes



Pump Heads

Catalog number	Max flow (GPM) [†]	Max head (ft)	Max system pressure (psi)	Max temp °F (°C)	Connections		Motor			Power			Dimensions (L x W x H)	Price
					Inlet	Outlet	hp*	Phase	Type	VAC	Hz	Amps		
Polypropylene (PP) pump heads														
KH-75226-10*	32	37	110	160 (71)	1" NPT(F)	3/4" NPT(M)	1/3	—	—	—	—	—	6 ^{3/4} " x 6 ^{5/8} " x 6 ^{7/8} "	
KH-75226-30*	68	59	110	160 (71)	1 1/2" NPT(F)	1" NPT(M)	1	—	—	—	—	—	8" x 6 ^{5/8} " x 7 1/4"	
Stainless steel (SS) pump heads														
KH-75226-20*	32	42	275	300 (148)	1" NPT(F)	3/4" NPT(M)	3/4	—	—	—	—	—	8 1/4" x 6 ^{5/8} " x 6 ^{7/8} "	
KH-75226-40*	70	54	275	300 (148)	1 1/2" NPT(F)	1" NPT(M)	1 1/2	—	—	—	—	—	9" x 6 ^{5/8} " x 7 1/4"	

Complete Systems (pump heads with motor)

Catalog number	Max flow (GPM) [†]	Max head (ft)	Max system pressure (psi)	Max temp °F (°C)	Connections		Motor			Power			Dimensions (L x W x H)	Price
					Inlet	Outlet	hp*	Phase	Type	VAC	Hz	Amps		
Pumps with polypropylene PP pump heads														
KH-75226-12	32	37	110	160 (71)	1" NPT(F)	3/4" NPT(M)	1/3	1	TEFC	115/230	50/60	6.4/3.2	15 1/2" x 8 ^{5/8} " x 9"	
KH-75226-15	32	37	110	160 (71)	1" NPT(F)	3/4" NPT(M)	1/3	3	TEFC	230/460	50/60	1.0/0.5	14 ^{5/8} " x 8 ^{5/8} " x 7"	
KH-75226-32	68	59	110	160 (71)	1 1/2" NPT(F)	1" NPT(M)	1	1	TEFC	115/230	50/60	12.0/6.0	17 ^{5/8} " x 8 ^{5/8} " x 9"	
KH-75226-35	68	59	110	160 (71)	1 1/2" NPT(F)	1" NPT(M)	1	3	TEFC	230/460	50/60	3.2/1.6	16 ^{3/8} " x 8 ^{5/8} " x 7 1/2"	
Pumps with SS pump heads														
KH-75226-22	32	42	275	300 (148)	1" NPT(F)	3/4" NPT(M)	3/4	1	TEFC	115/230	50/60	10.0/5.0	17 1/2" x 8 ^{5/8} " x 9"	
KH-75226-25	32	42	275	300 (148)	1" NPT(F)	3/4" NPT(M)	3/4	3	TEFC	230/460	50/60	2.4/1.2	17" x 8 ^{5/8} " x 7"	
KH-75226-42	70	54	275	300 (148)	1 1/2" NPT(F)	1" NPT(M)	1 1/2	1	TEFC	115/230	50/60	17.0/8.5	19 1/4" x 8 ^{5/8} " x 9"	
KH-75226-45	70	54	275	300 (148)	1 1/2" NPT(F)	1" NPT(M)	1 1/2	3	TEFC	230/460	50/60	4.2/2.1	18 ^{3/4} " x 8 ^{5/8} " x 7 ^{3/8} "	

*Motor specifications are for pumps with motor; hp listed is a recommendation for pump heads. For motor selection, go to pages 1007–1010.

[†]Flow rates and rpm at 50 Hz will be 5/6 of flow rates listed.

AC Controllers

Add an AC controller for a complete variable-speed pump system

Set-up and program the controller in one of four ways—use the buttons on the front panel, the remote key pad, the EPM programmer, or via PC with the included Techlink software. Password protection prevents accidental changing of programmed parameters. These NEMA 4X housed controllers have line voltage calibration that automatically optimizes current and voltage protection. The anti-stall frequency holds back current limit to 120% for one minute. The PID set point control may be remotely enabled/disabled and is direct or reverse acting. Set point control features transducer calibration and high/low level alarms.



Controller
70022-02

Catalog number	hp rating	Output		Input		Shpg wt lb (kg)	Price
		Voltage	Phase	Voltage	Phase		
EK-70022-02	1 1/2	0 to 230 VAC	3	120 to 240 VAC	1	14 (6.4)	
EK-70022-12				208 to 240 VAC	1 or 3	14 (6.4)	

High-Efficiency Polypropylene or Fluoroplastic Magnetic Drive Pumps

Split volute casing forms a volute chamber to increase pump efficiency, reduce horsepower and energy usage

- Pumps can run dry for up to one hour
- To reduce maintenance, bearings are kept cool with heat dissipation vent holes and a large flush groove
- Use in production processes such as filtering, spraying, washing, and etching

What's included: conduit box. Ready for hard-wiring.

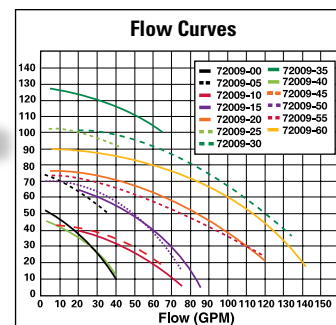
Specifications & Ordering Information

Wetted parts: glass-reinforced PP or glass-reinforced ETFE pump head, carbon bearing, alumina ceramic spindle, Viton® O-ring

Duty cycle: continuous



Polypropylene pump 72009-00



Catalog number	Max flow (GPM)	Max head (ft)	Specific gravity	Max system (psi)	Max temp °F (°C)	Connections		Motor				Power			Dimensions (L x W x H)	Price
						Inlet	Outlet	hp	rpm	Phase	Type*	VAC	Hz	Amps		
Pumps with polypropylene (PP) pump heads																
KH-72009-00	40	52	1.0	36		1" NPT(M)	1" NPT(M)	1/2						7.6/3.8	20" x 6 1/2" x 10"	
KH-72009-05	40	72	1.0	48	176 (80)	1" NPT(M)	1" NPT(M)	1	3500	1	TEFC	115/208-230	60	12.6/6.3	18 3/4" x 5 1/2" x 8 3/4"	
KH-72009-10	74	38	1.2	32		1 1/2" NPT(M)	1 1/2" NPT(M)	1/2						7.6/3.8	20 1/2" x 6 1/4" x 10"	
KH-72009-15	85	55	1.2	41		1 1/2" NPT(M)	1 1/2" NPT(M)	1						12.6/6.3	21 3/4" x 10 1/4" x 11"	
KH-72009-20	119	74	1.2	62				2						5.4/2.7	21 3/4" x 10 1/4" x 11"	
KH-72009-25	42	102	1.0	73	176 (80)	2" NPT(M)	1 1/2" NPT(M)	2	3500	3	TEFC	208-230/460	60	5.4/2.7	20 3/4" x 10 1/4" x 11"	
KH-72009-30	132	100	1.2	62				3						7.6/3.8	20 3/4" x 10 1/4" x 11"	
KH-72009-35	66	122	1.0	73				3						7.6/3.8	18 3/4" x 6 1/2" x 10"	
Pumps with fluoroplastic (ETFE) pump heads																
KH-72009-40	40	44		36		1" NPT(M)	1" NPT(M)	1/2	3500					7.6/3.8	20 1/2" x 6 1/4" x 10"	
KH-72009-45	66	35	1.2	32	176 (80)	1 1/2" NPT(M)	1 1/2" NPT(M)	1/2	3500	1	TEFC	115/208-230	60	7.6/3.8	20 1/2" x 10 1/4" x 11"	
KH-72009-50	74	52		41		1 1/2" NPT(M)	1 1/2" NPT(M)	1	3500					12.6/6.3	20 3/4" x 10 1/4" x 11"	
KH-72009-55	116	71		62	176 (80)	2" NPT(M)	1 1/2" NPT(M)	2	3500	3	TEFC	208-230/460	60	5.4/2.7	20 1/2" x 10 1/4" x 11"	
KH-72009-60	135	89		62				3	3500					7.6/3.8	20 3/4" x 10 1/4" x 11"	

*TEFC: Totally enclosed, fan-cooled

Magnetic Drive Regenerative Turbine Pumps

Steep head capacity curves for applications that require minimal flow change

- Develops pressures up to 51 psi and a vacuum up to 1.2 psi
- Nonmetallic construction provides excellent chemical resistance for use in a wide range of applications
- Use in either 60 Hz or 50 Hz environments
- Handles vapors up to 20% of volume
- Noncavating feature built into design
- Compact footprint

What's included: 4-foot power cord with stripped ends.

Specifications & Ordering Information

Wetted parts:

Casing with thrust bearing: glass-fiber reinforced PPS (Ryton®), carbon
 Rear casing: glass-fiber reinforced PPS (Ryton), carbon
 Rear plate: glass-fiber reinforced PPS (Ryton)
 Impeller: CFR PEEK
 Encapsulated magnet: glass-fiber reinforced PPS (Ryton), ferrite
 O-ring: EPDM

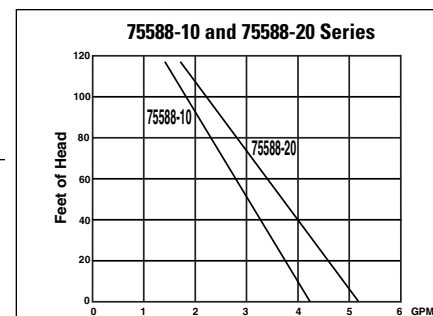
Duty cycle: continuous

Maximum viscosity: 2 cps

New



75588-10



Catalog number	Max flow (GPM)	Max head (ft)	Max system (psi)	Temp range °F (°C)	Connections		Motor			Power			Dimensions (L x W x H)	Price	
					Inlet	Outlet	hp	rpm	Type	VAC	Hz	Amps			
For use in 60 Hz environments															
KH-75588-10	61	118	50.7	-4 to 203 (-20 to 95)	1/2" NPT(M)	1/2" NPT(M)	1/4	3600	TEFC	115	60	2	9 25/32" x 5 31/32" x 6 13/32"		
KH-75588-20	76														
For use in 50 Hz environments															
KH-75588-15	53	118	50.7	-4 to 203 (-20 to 95)	1/2" NPT(M)	1/2" NPT(M)	1/4	3600	TEFC	220	50	0.82	9 25/32" x 5 31/32" x 6 13/32"		
KH-75588-25	64														

PU Pumps

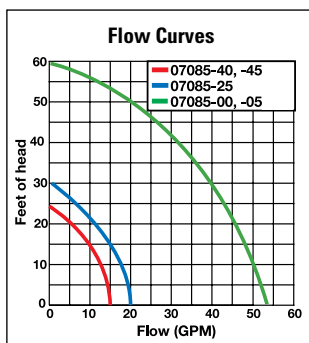
Centrifugal, Magnetic Drives

Ryton® Magnetic Drive Pumps

Ryton construction is excellent with highly corrosive chemicals and solutions

- Leakproof, sealless magnetic drive
- Carbon bushing is self-lubricating and impervious to fluids
- Pump heads can be easily rotated, cleaned or serviced without any special tools needed

What's included: a 6-ft cord with three-prong plug (models 07085-25 and -40 only).



Specifications & Ordering Information

Wetted parts: Ryton body and impeller, ceramic shaft, Viton® O-rings, and carbon bushings

Duty cycle: continuous

Catalog number	Max flow* (GPM)	Max head (ft)	Max system pressure† (psi)	Max temp °F (°C)	Connections		Motor		Power			Dimensions (L x W x H)	Price
					Inlet	Outlet	hp	Type	VAC	Hz	Amps		
KH-07085-40 KH-07085-45	14.2	24.3	60	200 (93)	1" NPT(F)	1/2" NPT(M)	1/10	TEFC PSC	115/230	50/60	1.7/0.7	10 ³ / ₁₆ " x 4 ⁷ / ₈ " x 5 ³ / ₈ "	
KH-07085-25	20	29.3	60	200 (93)	1" NPT(F)	1/2" NPT(M)	1/8	TEFC	115/230	50/60	3.2	11 ³ / ₁₆ " x 5 ³ / ₁₆ " x 7 ⁹ / ₁₆ "	
KH-07085-00 KH-07085-05	53	58.9	60	200 (93)	1 1/2" NPT(F)	1" NPT(M)	3/4	TEFC	115/230/230/460	50/60	12.5/3.5	17 ⁹ / ₁₆ " x 8 ⁵ / ₁₆ " x 8"	

*Flow rates at 50 Hz will be 5/6 of flow rates listed.

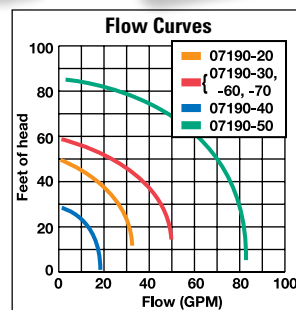
†Maximum system pressure is 30 psi at 135°F (57°C), 10 psi at 165°F (74°C).

Chemical-Duty Transfer Pumps

Self-priming pumps with carbon-filled Kynar® or glass-filled polypropylene heads are capable of lifting water up to 10 feet

- Pumps with glass-filled polypropylene heads are ideal for transferring a wide range of caustic materials
- Pumps with virgin Kynar heads are ideal for DI H₂O, strong acids, and halogens

What's included: conduit box for hardwiring.



Specifications & Ordering Information

Wetted parts

Models 07190-20, -30: carbon-filled Kynar, 99.9% alumina oxide ceramic, carbon bushing, Viton®

Model 07190-40: virgin Kynar, 99.9% alumina oxide ceramic, PTFE encapsulated Viton

Model 07190-50: virgin Kynar, 99.9% alumina oxide ceramic, carbon bushing, PTFE-encapsulated Viton

Model 07190-60: glass-filled polypropylene, 99.9% alumina oxide ceramic, carbon bushing, Viton

Model 07190-70: carbon-filled Kynar, 99.9% alumina oxide ceramic, carbon bushing, Viton

Duty cycle: continuous

Catalog number	Max flow (GPM)	Max head (ft)	Max system pressure (psi)	Max temp °F (°C)	Connections		Motor†			Power			Dimensions (L x W x H)	Price
					Inlet	Outlet	hp	rpm	Type	VAC	Hz	Amps		
Pumps with carbon-filled Kynar heads														
KH-07190-20 KH-07190-30	38/53	49/60	75	200 (93)	1" NPT(F) 1 1/2" NPT(F)	3/4" NPT(M) 1" NPT(M)	1/2 3/4	3450	TEFC	115/230	50/60	7.4/3.7 10.0/5.0	15 ³ / ₁₆ " x 8 ¹ / ₈ " x 8 ¹ / ₈ " 18" x 7" x 8 ¹⁵ / ₁₆ "	
Pumps with virgin/all natural Kynar heads														
KH-07190-40 KH-07190-50	18/82	29/85	75/60	200 (93) 190 (88)	1" NPT(F) 2" NPT(M)	1/2" NPT(M) 1 1/2" NPT(M)	1/5 2	3450	TEFC	115/230 230/460	50/60	2.2/1.1 5.2/2.6	11 ³ / ₈ " x 6 ¹³ / ₁₆ " x 6" 20 ¹ / ₁₆ " x 8 ¹⁵ / ₁₆ " x 10"	
Self-priming pump with glass-filled polypropylene head, suction lift up to 10 ft														
KH-07190-60	53	57	50	190 (88)	1 1/2" NPT(M)	1" NPT(M)	1	3450	TEFC	115/230	50/60	11.8/5.9	18 ³ / ₁₆ " x 7" x 8 ¹⁵ / ₁₆ "	
Self-priming pump with carbon-filled Kynar head, suction lift up to 10 ft														
KH-07190-70	53	57	50	190 (88)	1 1/2" NPT(M)	1" NPT(M)	1	3450	TEFC	115/230	50/60	11.8/5.9	18 ³ / ₁₆ " x 7" x 8 ¹⁵ / ₁₆ "	

†Models 07190-20, -30, -40, -60, and -70 have a single-phase motor; model 07190-50 has a three-phase motor.

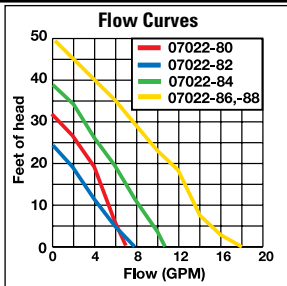
Centrifugal, Air-Powered/Mechanically Coupled

Air-Powered Mechanically Coupled Pumps

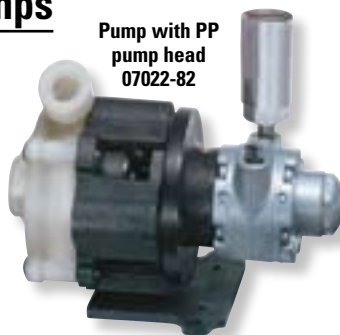
Air-operated pumps are ideal for intrinsically safe areas

- Use pumps in chemical plants, organic compound transfer applications, and wastewater treatment centers

Order an air lubricator and an air filter/regulator below to remove impurities in the air supply.



Pump with PP pump head 07022-82



Pump with SS pump head 07022-88



Specifications & Ordering Information

Wetted parts: PP or SS pump head, ceramic shaft, Viton® O-ring, and PP-encapsulated magnet (except model 07022-88 which has a carbon bushing)

Duty cycle: continuous

Catalog number	Max flow (GPM)	Max head (ft)	Max system pressure	Max temp °F (°C)	Connections		Motor				Dimensions (L x W x H)	Price					
					Inlet	Outlet	hp	rpm	Max cfm	Max pressure							
Pumps with polypropylene (PP) pump heads																	
KH-07022-80	6.2	32	50 psi	190 (88)	3/8" NPT(F)*	1/4" NPT(M)	1/8										
KH-07022-82	7.8	26			1/2" NPT(F)	3/8" NPT(F)								2600	3	21 psi	7" x 3 3/4" x 5 3/8"
KH-07022-84	10.5	39			3/4" NPT(F)	1/2" NPT(M)								3150	4	29 psi	7 1/4" x 4 1/2" x 6"
KH-07022-86	16.5	50			1" NPT(F)	1/2" NPT(M)								2900	7	60 psi	8" x 4 1/2" x 6"
Pump with 316 stainless steel (SS) pump head																	
KH-07022-88	16.5	50	200 psi	250 (121)	1" NPT(F)	1/2" NPT(M)	1/8							8" x 4 1/2" x 6"			

*Also has 3/4" NPT(M) fitting.

[KH-07042-70](#) Air lubricator, 1/4" NPT(F)

[KH-07042-75](#) Air filter/regulator; 1/4" NPT(F) ports

[KH-30621-62](#) Fitting; HDPE, 3/8" NPT(M) x 3/8" hose barb

[KH-30621-77](#) Fitting; HDPE, 1/2" NPT(M) x 1/2" hose barb

[KH-30621-12](#) Fitting; HDPE, 3/4" NPT(M) x 3/4" hose barb

[KH-30610-53](#) Fitting; PP, 1" NPT(M) x 1" hose barb

[KH-31701-20](#) Fitting; nylon, 1/4" NPT(F) x 1/4" hose barb

[KH-06464-10](#) Fitting; PVC, 1/2" NPT(F) x 1/2" hose barb

Cole-Parmer 304 SS Mechanically Coupled Pumps

304 stainless steel (SS) pump heads provide dependable performance and rugged continuous duty service with chemical and corrosion resistance

- Ideal for food and pharmaceutical processing plants as well as water and wastewater treatment centers
- Close-coupled design saves space and simplifies installation and maintenance

Flange kits include: stainless steel 150# threaded RF companion flanges, gaskets, nuts, bolts, flat washer, and lockwashers

What's included: a conduit box for hard-wiring.

Specifications & Ordering Information

Wetted parts: 304 SS pump head and impeller; SS shaft; Type 21 mechanical seals (carbon vs. ceramic/Viton®); and Viton O-rings

Duty cycle: continuous

Catalog number	Max* flow (GPM)	Max* head (ft)	Max system pressure	Max temp °F (°C)	Connections		Motor				Power			Dimensions (L x W x H)	Price				
					Inlet	Outlet	hp	rpm	Phase	Type	VAC	Hz	Amps						
304 SS pumps																			
KH-70725-00	40	78	125 psi	212 (100)	1 1/4" NPT(F)	1" NPT(F)	3/4	3450	3	TEFC	115/230	60	8.6/4.3	13 1/8" x 10 5/8" x 9 5/8"					
KH-70725-02	40	78					3/4									3	208-230/460	2.8-2.6/1.3	13 1/8" x 10 5/8" x 9 5/8"
KH-70725-05	60	76					1									1	115/230	10.4/5.2	13 9/16" x 10 9/8" x 9 5/8"
KH-70725-07	60	76			1	3	208-230/460	3.4-3.2/1.6	13 9/16" x 10 9/8" x 9 5/8"										
KH-70725-10	80	75			1 1/2" NPT(F)	1 1/2	115/230	60	14.8/7.4	13 9/16" x 10 9/8" x 9 5/8"									
KH-70725-12	80	75				1 1/2					3	208-230/460	5.0-4.8/2.4	13 9/16" x 10 9/8" x 9 5/8"					
High-head 304 SS pumps																			
KH-70725-20	115	103	230 psi	212 (100)	2" flange	1 1/4" flange	3	3450	3	TEFC	115/230	60	29.0/14.5	19 3/16" x 8 3/8" x 9 15/16"					
KH-70725-25	140	139			2" flange	1 1/4" flange	5									208-230/460	13.4-12.0/6.0	19 3/16" x 10" x 11 1/2"	
KH-70725-30	160	205			2" flange	1 1/4" flange	7 1/2									208-230/460	20.0-19/9.5	22 1/8" x 11 9/16" x 13 3/8"	
KH-70725-35	240	92			2 1/2" flange	1 1/2" flange	5									208-230/460	13.4-12.0/6.0	19 3/16" x 8 3/8" x 9 15/16"	
KH-70725-40	240	280			2 1/2" flange	1 1/2" flange	15									208-230/460	40.0-37.0/18.5	22 11/16" x 11 9/16" x 13 3/8"	
KH-70725-45	380	102			2 1/2" flange	1 1/2" flange	7 1/2									208-230/460	20.0-19.0/9.5	22 11/16" x 11 9/16" x 13 3/8"	
KH-70725-50	380	195			2 1/2" flange	1 1/2" flange	15									208-230/460	40.0-7.0/18.5	22 11/16" x 11 9/16" x 13 3/8"	

*The flow and head are at the best efficiency point. These values are for optimal performance.

[KH-70725-70](#) Flange kit; for 70725-20, -25, -30

[KH-70725-72](#) Flange kit; for 70725-35, -40

[KH-70725-74](#) Flange kit; for 70725-45, -50

New



Stainless steel pump 70725-10

GO to ColeParmer.com

For flow curve information, click on the Catalog Number and go to the "More Info" sidebar.

PU Pumps

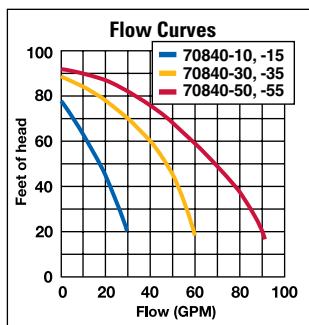
Centrifugal, Mechanically Coupled

Noryl® Corrosion-Resistant Mechanically Coupled Pumps

Chemical-resistant pump heads and impellers handle a variety of corrosive and caustic fluids over the entire pH range

- Ideal for circulation, transfer, and chemical feed applications
- NEMA 56 J-face motors feature thermal overload protection

What's included: All pumps come with SS-plated hardware. The 115/230 VAC models include a 6-ft cord (plug not included). The 230/460 VAC models are set up for hard-wiring (cord and plug are not included). See page 1306 for cord/plug assemblies.



70840-10

Specifications & Ordering Information

Wetted parts: Noryl pump head and impeller, carbon/ceramic face seal, PP seal encasement, and Viton® O-ring

Duty cycle: continuous

Catalog number	Max flow (GPM)	Max head (ft)	Max system pressure (psi)	Max temp* °F (°C)	Connections		Motor				Power			Dimensions (L x W x H)	Price
					Inlet	Outlet	hp	rpm	Phase	Type	VAC	Hz	Amps		
KH-70840-10 KH-70840-15	36	76	60	194 (90)	1 1/2" NPT(F)	1 1/2" NPT(F)	1/2	3450	1	TEFC [†]	115/230	60	8.8/4.4	13 3/4" x 7 3/4" x 7 1/4"	
KH-70840-30 KH-70840-35	68	86			1 1/2" NPT(F)	1 1/2" NPT(F)	1	3450	1		115/230		12.2/6.1	14" x 7 3/4" x 7 1/4"	
KH-70840-50 KH-70840-55	102	92			1 1/2" NPT(F)	1 1/2" NPT(F)	2	3450	1		115/230		19.8/9.9	15" x 7 3/4" x 7 1/4"	
											230/460		1.8/0.9	12 1/2" x 7 3/4" x 7 1/4"	
											230/460		3.0/1.5	13 3/4" x 7 3/4" x 7 1/4"	
											230/460		5.5/2.7		

*Max temperature is for continuous use.

[†]Totally enclosed, fan-cooled

[KH-06450-84](#) Inlet/outlet fitting. Polypropylene; 1 1/2" NPT(M) x 1 1/2" ID hose barb. Pack of 10

GO to ColeParmer.com
ColeParmer.com/ChemChart

Closed-Impeller Close-Coupled Pumps

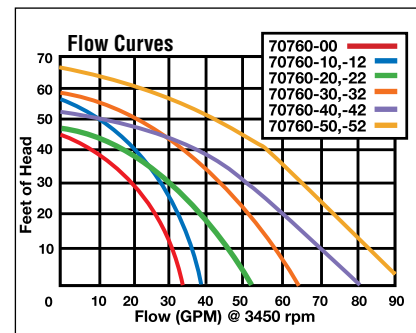
Investment cast SS pumps are built for heavy-duty, high-performance applications requiring excellent chemical resistance

- Ideal for low-pressure OEM and chemical industry applications
- Rotate head in 90° increments for easy connection to outlet
- Self-cleaning impeller prevents clogging and reduces maintenance

What's included: single phase: spade connections, three-phase: conduit box with stripped ends.



70760-50



Specifications & Ordering Information

Wetted parts: 316 stainless steel pump head, impeller, and shaft; Viton® seal and O-ring

Duty cycle: continuous

Catalog number	Max flow (GPM)	Max head (ft)	Max system pressure (psi)	Max temp °F (°C)	Connections		Motor				Power			Dimensions (L x W x H)	Price
					Inlet	Outlet	hp	rpm	Phase	Type*	VAC	Hz	Amps		
KH-70760-00	8 to 29	45	75 psi	200 (93)	3/4" NPT(F)	1/2" NPT(F)	1/3	3450	1	TEFC	115/230	60	7/4	14" x 5" x 8"	
KH-70760-10 KH-70760-12	9 to 35	58	75 psi	200 (93)	3/4" NPT(F)	1/2" NPT(F)	1/2	3450	1	TEFC	115/230	60	9/5	14" x 5" x 8"	
KH-70760-20 KH-70760-22	19 to 47	48	75 psi	200 (93)	1" NPT(F)	3/4" NPT(F)	3/4	3450	1	TEFC	115/230	60	9/5	14" x 6" x 8"	
KH-70760-30 KH-70760-32	16 to 58	58	75 psi	200 (93)	1" NPT(F)	3/4" NPT(F)	1	3450	1	TEFC	115/230	60	12/6	15" x 6" x 8"	
KH-70760-40 KH-70760-42	8 to 71	52	75 psi	200 (93)	1 1/4" NPT(F)	1" NPT(F)	1 1/2	3450	1	TEFC	115/230	60	18/9	15" x 6" x 8"	
KH-70760-50 KH-70760-52	40 to 85	68	75 psi	200 (93)	1 1/4" NPT(F)	1" NPT(F)	2	3450	1	TEFC	115/230	60	22/11	15" x 6" x 8"	
											230/460		5/3	14" x 6" x 8"	
											230/460		6/3	14" x 6" x 8"	

*Totally enclosed, fan-cooled.

Centrifugal, Mechanically Coupled

316 SS Investment Cast Close-Coupled Pumps

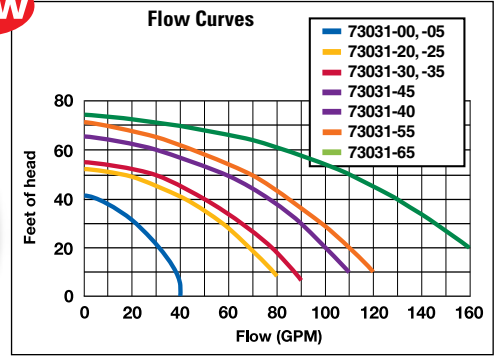
New

Open impellers handle clean fluids and fluids containing suspended solids

- Heavy-duty, stainless steel design—ideal for aggressive chemicals and high purity solutions
- Rotate head in 90° increments for multiple mounting configurations
- Viton® mechanical seal offers superior chemical resistance and accepts high inlet pressures



73031-40



Specifications & Ordering Information

Wetted parts: 316 SS pump head, impeller, shaft; Viton seal with carbon/ceramic faces

Duty cycle: continuous

Catalog number	Max flow (GPM)	Max head (ft)	Max system pressure (psi)	Max temp °F (°C)	Connections		Motor				Power			Dimensions (L x W x H)	Price	
					Inlet NPT(F)	Outlet NPT(F)	hp	rpm	Phase	Type	VAC	Hz	Amps			
KH-73031-00 KH-73031-05	41	41	125	400 (204)	1"	3/4"	1/2	3450	1 3	56J TEFC	115/230 230/460	60	8.8/4.4 1.8/0.9	12" x 6 1/2" x 6 5/8"		
KH-73031-20 KH-73031-25	80	52	125	400 (204)	1 1/4"	1"	1	3450	1 3	56J TEFC	115/230 230/460	60	12.2/6.1 3.0/1.5	12 7/8" x 6 5/8" x 6 7/8"		
KH-73031-30 KH-73031-35	102	58	125	400 (204)	1 1/2"	1 1/4"	1 1/2 1 1/2	3450	1 3	56J TEFC	115/230 230/460	60	16.4/8.2 3.8/1.9	13 3/4" x 7" x 7 1/8"		
KH-73031-40 KH-73031-45	115	67	125	400 (204)	1 1/2"	1 1/2"	1 1/2 1 1/4"	2	3450	1 3	56J TEFC	115/230 230/460	60	16.4/8.2 5.5/2.7	15" x 7" x 7 1/8"	
KH-73031-55 KH-73031-65	125 168	78 83	125	400 (204)	1 1/2" 2"	1 1/4" 1 1/2"	2 3	3450	3	56J TEFC	230/460	60	5.6/12.7	15 1/4" x 7 1/2" x 7 5/8"		

[KH-30610-51 Fitting](#); PP, 3/4" NPT(M) x 3/4" hose barb. Pack of 5

[KH-30610-53 Fitting](#); PP, 1" NPT(M) x 1" hose barb. Pack of 5

[KH-31407-14 Fitting](#); PP, 1 1/4" NPT(M) x 1 1/4" hose barb. Pack of 5

[KH-31407-16 Fitting](#); PP, 1 1/2" NPT(M) x 1 1/2" hose barb. Pack of 5

[KH-31407-20 Fitting](#); PP, 2" NPT(M) x 2" hose barb. Pack of 5

Cole-Parmer Self-Priming 316 SS Centrifugal Pumps

Chamber in front of pump housing enables self-priming operation

- Self-cleaning, semi-open impellers
- Lift fluids up to 20 feet with self-priming capability

Specifications & Ordering Information

Wetted parts: 316 stainless steel impeller, carbon graphite and ceramic bearing, Viton® O-ring and seal (for pumps 70620-00 to -32) and PTFE O-ring and seal (for pumps 70620-60 to -80)

Motor type: TEFC
Suction lift
Models 70620-00 to -32: 20 feet
Models 70620-60 to -80: 6 feet

Duty cycle: continuous

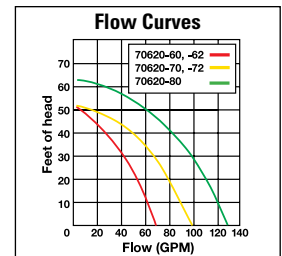
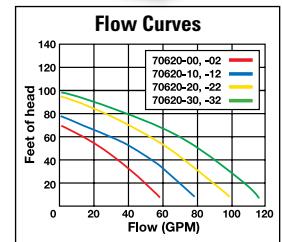


70620-00



70620-80

Catalog number	Max flow (GPM)	Max head (ft)	Max system pressure (psi)	Max temp °F (°C)	Connections		Motor			Power		Dimensions (L x W x H)	Price		
					Inlet	Outlet	hp	Phase	Type	VAC	Amps				
High suction lift centrifugal pumps															
KH-70620-00 KH-70620-02	59	70	75	200 (93)	1 1/2" NPT(F)	1 1/2" NPT(F)	3/4	1	TEFC	115/230 230/460	9/5 3/2	19" x 4" x 10"			
KH-70620-10 KH-70620-12	78	78					1	1				115/230	12/6	19" x 4" x 10"	
KH-70620-20 KH-70620-22	100	95					1	3				230/460	4/2	19" x 4" x 10"	
KH-70620-30 KH-70620-32	115 125	98 85					2	1				115/230	22/11	19" x 4" x 10"	
							2	3				230/460	6/3	18" x 4" x 10"	
							3	1				230	16	20" x 4" x 10"	
			3	3	230/460	8/4	21" x 4" x 10"								
Moderate suction lift centrifugal pumps															
KH-70620-60 KH-70620-62	68	51	75	200 (93)	1 1/2" NPT(F)	1 1/2" NPT(F)	3/4	1	TEFC	115/230 230/460	9/5 3/2	15" x 5" x 10"			
KH-70620-70 KH-70620-72	100	51					1 1/2	1				115/230	18/9	17" x 5" x 10"	
KH-70620-80	129	62					1 1/2	3				230/460	5/3 6/3	16" x 5" x 10"	
							2								



PU Pumps

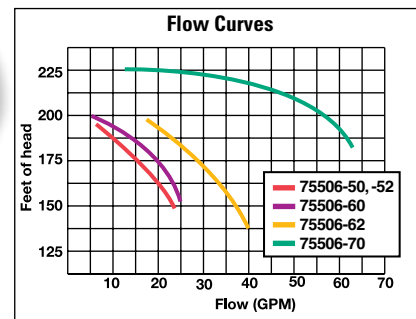
Centrifugal, High Pressure/Multi-Stage

Two-Stage High-Pressure Mechanically Coupled Pumps

New



75506-50



Two-stage design gives superior output pressures

- Fabricated from 304 stainless steel (SS) for corrosion resistance
- Close-coupled design saves space and simplifies installation
- Back pullout design allows servicing without disturbing piping

Pumps are non-overloading and rated for continuous duty throughout entire operating range for reliable performance and long life. Install either vertically or horizontally.

Specifications & Ordering Information

Wetted parts: 304 SS shaft and case, Type 21 mechanical seals (carbon vs. ceramic/Viton®), and Viton O-rings

Duty cycle: continuous

Catalog number	Max flow (GPM)	Max head (ft)	Max system pressure	Max temp °F (°C)	Connections		Motor				Power			Dimensions (L x W x H)	Price
					Inlet NPT(F)	Outlet NPT(F)	hp	rpm	Phase	Type*	VAC	Hz	Amps		
KH-75506-50	24	190	125 psi	140 (60)	1 1/4"	1"	2	3450	1	TEFC/IP55	230	60	3.7	14 15/16" x 9 1/8" x 9 13/16"	
KH-75506-52	24	190	125 psi	140 (60)	1 1/4"	1"	2	3450	3	TEFC/IP55	230/460	60	3.7	14 15/16" x 9 1/8" x 9 13/16"	
KH-75506-60	25	200	125 psi	140 (60)	1 1/4"	1"	3	3450	3	TEFC/IP55	230/460	60	4.4	14 15/16" x 9 1/8" x 9 13/16"	
KH-75506-62	40	190	125 psi	140 (60)	1 1/4"	1"	3	3450	3	TEFC/IP55	230/460	60	4.2	14 15/16" x 8 3/16" x 9 13/16"	
KH-75506-70	63	225	125 psi	140 (60)	2"	1"	5 1/2	3450	3	TEFC/IP55	230/460	60	8.2	17 3/8" x 9 1/8" x 9 13/16"	

*Totally enclosed, fan cooled

[KH-31407-14](#) Fitting; PP, 1 1/4" NPT(M) x 1 1/4" hose barb. Pack of 5

[KH-31407-20](#) Fitting; PP, 1" NPT(M) x 1 1/4" hose barb. Pack of 5

[KH-31407-20](#) Fitting; PP, 2" NPT(M) x 2" hose barb. Pack of 5

Multi-Stage Centrifugal Pumps

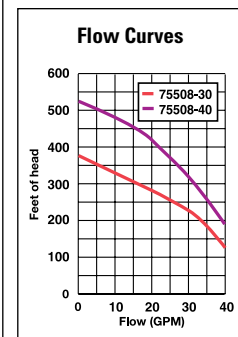
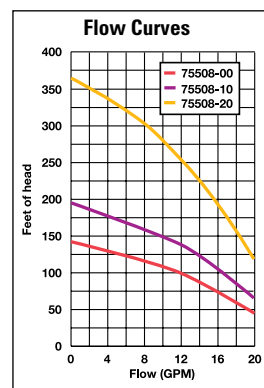
Flow increases with each impeller to produce higher overall flow rate



75508-00

- Vertical in-line design makes for easy installation and saves space
- Corrosion-resistant stainless steel impellers provide a smooth, quiet, and low-maintenance operation
- Ideal for pressure boosting, boiler feed, petrochemical, irrigation, and liquid transfer applications

Pumps with three-phase motors let you connect your pump to a variable-speed controller; order separately below.



Specifications & Ordering Information

Wetted parts: 316 stainless steel housing, head, shaft, and impeller; silicon carbide/carbon seal; Viton O-rings, tungsten carbide bushings; and ceramic oxide bearings

Connections
Inlet: ANSI 1 1/4" flange
Outlet: ANSI 1 1/4" flange

Max temperature: 195°F (90°C)
Duty cycle: continuous

Catalog number	Max flow (GPM)	Max head (ft)	Max system pressure	Motor			Power			Dimensions (W x H x D)	Price
				hp	rpm	Type	VAC	Hz	Amps		
Multi-stage centrifugal pumps with single-phase motor											
KH-75508-00	20	130	363 psi	3/4	3450	TEFC	115/230	60	9.6/4.8	9 13/16" x 23" x 8 1/4"	
KH-75508-10	22	180		9.6/4.8					9 13/16" x 23 13/16" x 8 1/4"		
KH-75508-20	26	360		23/11.5							
Multi-stage centrifugal pumps with three-phase motor											
KH-75508-30	42	375	363 psi	3	3450	TEFC	230/460	60	7.6/3.8	9 13/16" x 32 5/8" x 8 1/4"	
KH-75508-40	40	525		12/6					9 13/16" x 36" x 8 1/4"		

*Totally enclosed, fan cooled

[KH-70021-15](#) AC controller, chassis mounted; 5 hp, 208 to 240 VAC, 1 or 3 phase input; 0 to 200/230 VAC, 3-phase output

[KH-70022-15](#) AC controller, NEMA 4 enclosed; 5 hp, 208 to 240 VAC, 3 phase input; 0 to 230 VAC, 3-phase output

[KH-74023-01](#) Flange connector kit; SS, 1 1/4"

Immersed Vertical Centrifugal Pumps

Immersed design eliminates need for seals and bearings—enables run dry operation

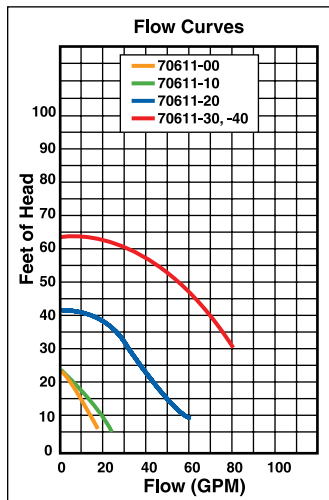
- Pump head located at the bottom of the pump minimizes cavitation
- Compound impeller and vapor barrier separate fluid from motor
- A sensible and economical choice for circulating, fume scrubbing, sump draining, agitation transfer, waste treatment, and wet processes

What's included: polypropylene mounting plate.

Specifications & Ordering Information

Wetted materials: SS shaft is sleeved
CPVC (chlorinated polyvinylchloride)
(pumps are injection molded)

Duty cycle: continuous
Maximum viscosity: 350 cp



Perfect for
plating and
general
transfer



70611-00

Catalog number	Max flow (GPM)	Max head (ft)	Max temp °F (°C)	Connections		Motor			Power			Dimensions (W x H x D)	Price
				Inlet	Outlet	hp	rpm	Type	VAC	Hz	Amps		
KH-70611-00	16	22		1" NPT(F)	1/2" NPT(F)	1/4					1.8		
KH-70611-10	23	23		1" NPT(F)	3/4" NPT(F)	1/3					6		
KH-70611-20	60	43	180 (82)	1 1/4" NPT(F)	1" NPT(F)	3/4	3450	TEFC	115/230	60	9.6	9" x 22" x 9"	
KH-70611-30	80	70		1 1/2" NPT(F)	1 1/4" NPT(F)	1 1/2					16		
KH-70611-40	80	70		1 1/2" NPT(F)	1 1/4" NPT(F)	2					25.4		

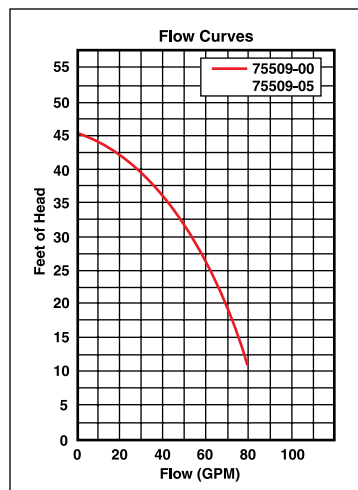


Quick-Service Vertical Centrifugal Pump

Easily service and perform maintenance without removing piping or the pump body from your process line

- Quick release system allows simple removal of the pump core
- Made of chemically resistant CPVC
- Handles flow rates up to 80 GPM

Remove pump core in a simple three-step process by loosening four bolts, twisting the pump motor slightly, and lifting the pump core out of the body. Once pump is serviced, pump core can be reinstalled—impeller is screwed onto the shaft and spacing is preset. PTFE fume barrier protects motor end bell and bearings from corrosion caused by vapor or fumes.



75509-00

2 year
warranty

Specifications & Ordering Information

Wetted parts: CPVC, Viton® O-ring, PTFE

Duty cycle: continuous

Catalog number	Max flow (GPM)	Max head (ft)	Connections		Motor			Power		Dimensions (L x W x H)	Price
			Inlet	Outlet	hp	rpm	Phase	VAC	Hz		
KH-75509-00	80	45	1 1/2" NPT(F)	1 1/4" NPT(F)	1 1/2	3450/2850	1	115/230	60/50	8 3/4" x 6 1/4" x 20 3/4"	
KH-75509-05								240/460		6 1/4" x 6 1/4" x 20 3/4"	

PU Pumps

Centrifugal, Submersible

Economical Submersible Pumps

Transfer and recirculate liquid for commercial, home, or industrial use

- Compact and economical
- Screened inlet helps prevent clogging

A Low-Flow Submersible Pumps may be operated in either a vertical or horizontal position. **Note:** Pumps must be fully submerged when operating.

B High-Flow Submersible Pump with carrying handle removes water to within 1/8" of the surface and transfers water-soluble coolants up to 300 SSU in viscosity. Order an automatic switch below to automate your pump; switch turns pump on at 7 3/8" of liquid and off at 3/4" of liquid.

What's included: an 18-ft cord with grounded plug and a 1" NPT(M) x 1" garden hose (M) adapter.

Specifications & Ordering Information

Wetted materials

Models 07147-30, -40, and -50: nylon, polypropylene (PP), Viton®, and PVC
Models 75500-00 and -05: epoxy-coated cast-aluminum, PP, 316 SS, and PVC

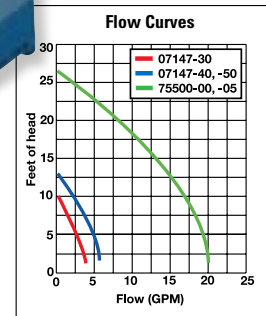
Duty cycle: continuous

Automatic activation: no



A
07147-30

B
75500-00



Key	Catalog number	Max flow (GPM)	Max head (ft)	Max temp °F (°C)	Connections		Motor hp	Power			Dimensions	Price
					Inlet	Outlet		VAC	Hz	Amps		
A	KH-07147-30	3.5*	10.2*	100 (38)	Screened	1/4" NPT(M)	1/150	115	60	1.1	4 9/16"H x 4 1/8" dia	
	KH-07147-40	5.4*	12.3*	100 (38)	Screened	1/4" NPT(M)	1/40	115	60	1.7	4 9/16"H x 4 1/8" dia	
	230							50/60	0.9			
B	KH-75500-00	20.4	26.3	110 (43)	Screened	1" NPT(F)	1/6	115	60	5.0	6 1/16" L x 4 5/16" W x 7 3/4" H	
	230							2.5				

*At 50 Hz flow rate and head are 5% of given values.

KH-75500-50 Automatic switch for 75500-00; 115 VAC, 60 Hz

KH-75500-55 Automatic switch for 75500-05; 230 VAC, 50 Hz

Microprocessor-Controlled Submersible Sump Pumps

Fully automatic pumps for basements, backyards, utility rooms, and boats

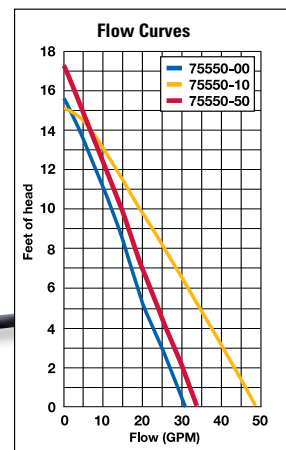
Submersible Pumps provide computerized automated operations that are able to check for water every few minutes and turn on when as little as 1 inch of water is detected. Once pump is no longer pumping water it will shut-off with the auto shutoff feature so the pump never runs dry. A water cooled, DC permanent magnet motor draws only 175 watts for an energy efficient discharge. Pumps are protected against rust and corrosion with a stainless steel shaft and thermoplastic housing. Fully submerge pumps in either fresh or salt water.

Battery Backup Pump operates independently of the main pump. A float switch starts the backup pump if the main pump power fails or if the main pump cannot keep up with the rate of water inflow. A battery charger (10 amps) with indicator lights monitors the battery level and charges the battery when needed. An audible alarm sounds when pump is in operation or when the battery is no longer charging.

What's included: Models 75550-00, -10: one 24-ft power cord and elbow adapter. Model 75550-00 also includes a garden hose adapter. Model 75550-50: one 10-amp battery charger with audible alarm, float switch, flapper check valve, tee fitting, bushings, hose clamp, and battery box. Pump requires a 12 VDC marine battery—not included.



Submersible sump pump
75550-00



Specifications & Ordering Information

Wetted parts: acetyl and nylon

Automatic activation: yes

Duty cycle: continuous

Catalog number	Max flow (GPM)	Max head (ft)	Max temp °F (°C)	Connections		Motor hp	Power			Dimensions	Price
				Inlet	Outlet		Power	Hz	Amps		
Submersible pumps											
KH-75550-00	30	10	140 (60)	1 1/8"	1 1/8"	1/8	110 VAC	60	0.9	4 7/8" W x 7 3/4" H	
KH-75550-10	46.7			1 1/2"	1 1/2"	1/4			1.5	4 7/8" W x 8 3/4" H	
Battery backup pump											
KH-75550-50	23.3	13	140 (60)	1 1/8"	1 1/8"	3/16	12 VDC*	—	10	4 1/4" W x 6" H	

304 SS Submersible Moderate-Flow Dewatering Pumps

Semi-open impeller design pumps solids up to 3/8" in slurries and up to 81 GPM

- 304 stainless steel construction resists corrosion and rust
- Pumps with automatic operation have a float switch; manual operation models activate with a switch
- Air-filled motors have permanent split capacitor design with built-in thermal protection and automatic reset

Operate pumps either fully or partially submerged. Pumps are ideal for slurries and dirty or semi-dirty waters.

What's included: 20-ft water-resistant #16 AWG cord.

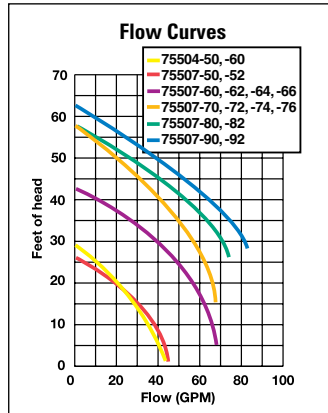
Specifications & Ordering Information



Wetted parts:

75507-series: Viton® O-rings and 304 stainless steel body and impeller
 75504-series: 304 SS housing, Noryl® impeller/diffuser and Buna N seal.

Duty cycle: continuous



New



75507-50

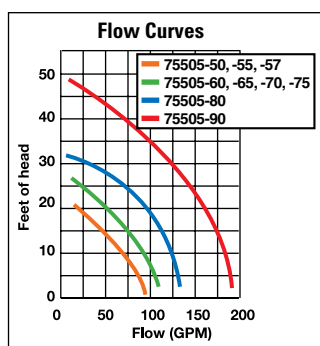
Catalog number	Max flow (GPM)	Max head (ft)	Max system pressure (psi)	Max temp °F (°C)	Connections		Motor				Power			Dimensions (L x dia)	Price
					Outlet	hp	rpm	Phase	Operation	VAC	Hz	Amps			
KH-75504-50 KH-75504-60	45	26	125	122 (50)	1 1/4" NPT(F)	1/3	3450	1	Manual Automatic	115	60	4	10 1/4" x 6 3/8"		
KH-75507-50 KH-75507-52	42	26	125	122 (50)	1 1/4" NPT(F)	1/3	3600	1	Automatic Manual	115	60	4	10 1/4" x 6 3/8"		
KH-75507-60 KH-75507-62	68	42	125	122 (50)	1 1/2" NPT(F)	1/2	3600	1	Automatic Manual	115	60	9	17 3/16" x 8 1/4"		
KH-75507-64 KH-75507-66	68	42	125	122 (50)	1 1/2" NPT(F)	1/2	3600	3	Manual	230 460	60	3.2 1.6	13 7/8" x 8 1/4"		
KH-75507-70 KH-75507-72	68	57	125	122 (50)	1 1/2" NPT(F)	3/4	3600	1	Automatic Manual	115	60	12	17 3/16" x 8 1/4"		
KH-75507-74 KH-75507-76	68	57	125	122 (50)	1 1/2" NPT(F)	3/4	3600	3	Manual	230 460	60	3.8 2	13 7/8" x 8 1/4"		

304 SS High-Flow Submersible Pumps

Pump liquids with suspended solids up to 2" diameter at flow rates up to 175 GPM

- 304 stainless steel (SS) pumps are chemical and corrosion resistant
 - Manually-operated pumps allow for continuous emptying and automatically-operated pumps are used in on-demand dewatering applications
 - Dual-seal design ensures rugged and reliable service
- Submersible pumps are ideal for food and beverage processing; irrigation and storm water runoff; spraying; and water and wastewater treatment applications. Operate pumps either fully or partially submerged.

What's included: 25-ft submersible SOW-A/SO power cord with 3-prong plug.



New

Automatic pump 75505-70 includes switch for activation.



Specifications & Ordering Information

Wetted parts: 304 SS pump head, impeller, shaft, and housing; carbon-ceramic and silicon-carbide seals; and Viton® O-rings

Duty cycle: continuous

Catalog number	Max flow (GPM)	Max head (ft)	Operation	Max temp °F (°C)	Connections		Motor		Power			Dimensions (H x dia)	Price
					Inlet	Outlet	hp	Phase	VAC	Hz	Amps		
KH-75505-50	100	22	Automatic	104 (40)	No Screen	2" NPT(F)	1/2	1	115	60	8.3	21 5/8" x 9"	
KH-75505-55	100	22	Manual				1/2	1	230		4.4	19 1/8" x 9"	
KH-75505-57	100	22	Manual				1/2	1	115		8.3	21 5/8" x 9"	
KH-75505-60	130	26	Manual				1	1	115		11.8	22 13/16" x 9"	
KH-75505-70	130	26	Automatic				1	1	115		11.8	22 13/16" x 9"	
KH-75505-65	130	26	Manual				1	1	230		6.4	20 1/4" x 9"	
KH-75505-75	130	26	Automatic				1	1	230		6.4	20 1/4" x 9"	
KH-75505-80	140	33	Automatic				1 1/2	1	230		7.0	20 1/4" x 9"	
KH-75505-90	175	46	Manual				2	3	460		3.5	20 1/4" x 9"	

PU Pumps

Centrifugal, High-Purity/Sanitary

High-Purity Liquid Centrifugal Pumps

Clean-in-Place (CIP) and Steam-in-Place (SIP) design

- Volute machined from solid 316L stainless steel to prevent rouging, USP Class VI Elastomers
- <10 Ra interior finish is available for highest purity applications
- Zero dead-leg drain is an available option—call for more information

The pump is made from solid and forged 316L stainless steel components to prevent the occurrence of rouge. Rouge is common in pumps made with castings due to the greater chance of pits, cracks, crevices, and higher levels of ferrite. Single and double seals are flushed with internal, straight-line, fully drainable passages resulting in no external piping. Pumps handle fluids with temperatures up to 350°F and viscosities up to 600 cp. Contact our Application Specialists for additional pumps with <10 Ra interior finishes, flow rates to 320 GPM, and zero dead-leg.

With a machined full-diameter impeller, an AC controller can be used to vary the speed to obtain the best fit to the application.

What's included: conduit box for hard-wiring.

Specifications & Ordering Information

Wetted parts: 316L stainless steel

Duty cycle: continuous

Catalog number	Max flow (GPM)	Max head (ft)	Max system psi	Max temp °F (°C)	Connections (Tri-Clamp®)		Motor				Power			Dimensions (L x W x H)	Price
					Inlet	Outlet	hp	rpm	Phase	Type	VAC	Hz	Amps		
KH-76701-15	40	15	150	350 (176)	2"	1 1/2"	0.75	1800	3	SS TEFC	208-230/460	60	1	17" x 9" x 7"	
KH-76701-20	10	1.3													
KH-76701-30	35	2													
KH-76701-40	65	2.6													
KH-76703-15	10	32	150	350 (176)	2"	1 1/2"	0.75	1800	3	SS TEFC	208-230/460	60	1	17" x 10" x 10"	
KH-76703-25	50	1.4													
KH-76703-50	12	3.7													
KH-76703-60	70	5.7													
KH-76703-70	100	8.9	150	350 (176)	2 1/2"	2"	0.75	1800	3	SS TEFC	208-230/460	60	1	17" x 10" x 10"	
KH-76705-15	15	1.4													
KH-76705-25	45	2.1													
KH-76705-35	100	2.1													

New



76701-15



Sanitary Centrifugal Pumps

Clean-in-place (CIP) 3A sanitary transfer pump

- 316L stainless steel liquid end construction
- Washdown motors available in either white epoxy or stainless steel
- Stainless steel adapters are standard

Piping changes are eliminated due to the interchangeable design that these economical pumps offer when compared to other pumps. Models are available with inlets up to 6"; contact our Application Specialists for assistance in sizing the proper pump for your system.

What's included: conduit box for hard-wiring.

Specifications & Ordering Information

Wetted parts

Casing: 316L stainless steel

Backplate, impeller, shaft: 316 stainless steel

Adapter: 304 stainless steel

Duty cycle: continuous



New



76720-00

Catalog number	Max flow (GPM)	Max head (ft)	Max system (psi)	Max temp °F (°C)	Connections (Tri-Clamp®)		Motor		Power			Dimensions (L x W x H)	Price	
					Inlet	Outlet	hp	rpm	VAC	Hz	Amps			
KH-76710-00	62	22	125	212 (100)	1 1/2"	1 1/2"	1/2	3600	208-230/460	115/208-230	60	2.0-2.0 / 1.0	16 15/16" x 8 3/8" x 6 3/4"	
KH-76710-05							1800	11.2 / 5.6-5.6						
KH-76710-10							3600	23.0 / 11.5-11.5						
KH-76710-20							3600	9.6-9.6 / 4.8						
KH-76710-35							1800	6.8-6.8 / 3.4						
KH-76710-40							3600	19 9/16" x 10 1/8" x 8"						
KH-76710-50	215	120	125	212 (100)	2	1 1/2"	5	3600	208-230/460	60	15.2-15.2 / 7.6	23 11/16" x 10 7/16" x 8 3/4"		
KH-76720-00	7 1/2	3600					22.0-22.0 / 11.0							
KH-76720-05	1800	11.2 / 5.6-5.6												
KH-76720-10	3600	23.0 / 11.5-11.5												
KH-76720-20	3600	9.6-9.6 / 4.8												
KH-76720-35	1800	6.8-6.8 / 3.4												
KH-76720-40	3600	19 9/16" x 10 1/8" x 8"												
KH-76720-50	215	120	125	212 (100)	2	1 1/2"	5	3600	208-230/460	60	15.2-15.2 / 7.6	23 11/16" x 10 7/16" x 8 3/4"		
KH-76720-00	7 1/2	3600					22.0-22.0 / 11.0							
KH-76720-05	1800	11.2 / 5.6-5.6												
KH-76720-10	3600	23.0 / 11.5-11.5												
KH-76720-20	3600	9.6-9.6 / 4.8												
KH-76720-35	1800	6.8-6.8 / 3.4												
KH-76720-40	3600	19 9/16" x 10 1/8" x 8"												
KH-76720-50	215	120	125	212 (100)	2	1 1/2"	5	3600	208-230/460	60	15.2-15.2 / 7.6	23 11/16" x 10 7/16" x 8 3/4"		
KH-76720-00	7 1/2	3600					22.0-22.0 / 11.0							
KH-76720-05	1800	11.2 / 5.6-5.6												
KH-76720-10	3600	23.0 / 11.5-11.5												
KH-76720-20	3600	9.6-9.6 / 4.8												
KH-76720-35	1800	6.8-6.8 / 3.4												
KH-76720-40	3600	19 9/16" x 10 1/8" x 8"												
KH-76720-50	215	120	125	212 (100)	2	1 1/2"	5	3600	208-230/460	60	15.2-15.2 / 7.6	23 11/16" x 10 7/16" x 8 3/4"		
KH-76720-00	7 1/2	3600					22.0-22.0 / 11.0							
KH-76720-05	1800	11.2 / 5.6-5.6												
KH-76720-10	3600	23.0 / 11.5-11.5												
KH-76720-20	3600	9.6-9.6 / 4.8												
KH-76720-35	1800	6.8-6.8 / 3.4												
KH-76720-40	3600	19 9/16" x 10 1/8" x 8"												
KH-76720-50	215	120	125	212 (100)	2	1 1/2"	5	3600	208-230/460	60	15.2-15.2 / 7.6	23 11/16" x 10 7/16" x 8 3/4"		
KH-76720-00	7 1/2	3600					22.0-22.0 / 11.0							
KH-76720-05	1800	11.2 / 5.6-5.6												
KH-76720-10	3600	23.0 / 11.5-11.5												
KH-76720-20	3600	9.6-9.6 / 4.8												
KH-76720-35	1800	6.8-6.8 / 3.4												
KH-76720-40	3600	19 9/16" x 10 1/8" x 8"												
KH-76720-50	215	120	125	212 (100)	2	1 1/2"	5	3600	208-230/460	60	15.2-15.2 / 7.6	23 11/16" x 10 7/16" x 8 3/4"		
KH-76720-00	7 1/2	3600					22.0-22.0 / 11.0							
KH-76720-05	1800	11.2 / 5.6-5.6												
KH-76720-10	3600	23.0 / 11.5-11.5												
KH-76720-20	3600	9.6-9.6 / 4.8												
KH-76720-35	1800	6.8-6.8 / 3.4												
KH-76720-40	3600	19 9/16" x 10 1/8" x 8"												
KH-76720-50	215	120	125	212 (100)	2	1 1/2"	5	3600	208-230/460	60	15.2-15.2 / 7.6	23 11/16" x 10 7/16" x 8 3/4"		
KH-76720-00	7 1/2	3600					22.0-22.0 / 11.0							
KH-76720-05	1800	11.2 / 5.6-5.6												
KH-76720-10	3600	23.0 / 11.5-11.5												
KH-76720-20	3600	9.6-9.6 / 4.8												
KH-76720-35	1800	6.8-6.8 / 3.4												
KH-76720-40	3600	19 9/16" x 10 1/8" x 8"												
KH-76720-50	215	120	125	212 (100)	2	1 1/2"	5	3600	208-230/460	60	15.2-15.2 / 7.6	23 11/16" x 10 7/16" x 8 3/4"		
KH-76720-00	7 1/2	3600					22.0-22.0 / 11.0							
KH-76720-05	1800	11.2 / 5.6-5.6												
KH-76720-10	3600	23.0 / 11.5-11.5												
KH-76720-20	3600	9.6-9.6 / 4.8												
KH-76720-35	1800	6.8-6.8 / 3.4												
KH-76720-40	3600	19 9/16" x 10 1/8" x 8"												
KH-76720-50	215	120	125	212 (100)	2	1 1/2"	5	3600	208-230/460	60	15.2-15.2 / 7.6	23 11/16" x 10 7/16" x 8 3/4"		
KH-76720-00	7 1/2	3600					22.0-22.0 / 11.0							
KH-76720-05	1800	11.2 / 5.6-5.6												
KH-76720-10	3600	23.0 / 11.5-11.5												
KH-76720-20	3600	9.6-9.6 / 4.8												
KH-76720-35	1800	6.8-6.8 / 3.4												
KH-76720-40	3600	19 9/16" x 10 1/8" x 8"												
KH-76720-50	215	120	125	212 (100)	2	1 1/2"	5	3600	208-230/460	60	15.2-15.2 / 7.6	23 11/16" x 10 7/16" x 8 3/4"		
KH-76720-00	7 1/2	3600					22.0-22.0 / 11.0							
KH-76720-05	1800	11.2 / 5.6-5.6												
KH-76720-10	3600	23.0 / 11.5-11.5												
KH-76720-20	3600	9.6-9.6 / 4.8												
KH-76720-35	1800	6.8-6.8 / 3.4												
KH-76720-40	3600	19 9/16" x 10 1/8" x 8"												
KH-76720-50	215	120	125	212 (100)	2	1 1/2"	5	3600	208-230/460	60	15.2-15.2 / 7.6	23 11/16" x 10 7/16" x 8 3/4"		
KH-76720-00	7 1/2	3600					22.0-22.0 / 11.0							
KH-76720-05	1800	11.2 / 5.6-5.6												
KH-76720-10	3600	23.0 / 11.5-11.5												
KH-76720-20	3600	9.6-9.6 / 4.8												
KH-76720-35	1800	6.8-6.8 / 3.4												
KH-76720-40	3600	19 9/16" x 10 1/8" x 8"												
KH-76720-50	215	120	125	212 (100)	2	1 1/2"	5	3600	208-230/460	60	15.2-15.2 / 7.6	23 11/16" x 10 7/16" x 8 3/4"		
KH-76720-00	7 1/2	3600					22.0-22.0 / 11.0							
KH-76720-05	1800	11.2 / 5.6-5.6												
KH-76720-10	3600	23.0 / 11.5-11.5												
KH-76720-20	3600	9.6-9.6 / 4.8												
KH-76720-35	1800	6.8-6.8 / 3.4												
KH-76720-40	3600	19 9/16" x 10 1/8" x 8"												
KH-76720-50	215	120	125	212 (100)	2	1 1/2"	5	3600	208-230/460	60	15.2-15.2 / 7.6	23 11/16" x 10 7/16" x 8 3/4"		
KH-76720-00	7 1/2	3600					22.0-22.0 / 11.0							
KH-76720-05	1800	11.2 / 5.6-5.6												
KH-76720-10	3600	23.0 / 11.5-11.5												
KH-76720-20	3600	9.6-9.6 / 4.8												
KH-76720-35	1800	6.8-6.8 / 3.4												
KH-76720-40	3600	19 9/16" x 10 1/8" x 8"												
KH-76720-50	215	120	125	212 (100)	2	1 1/2"	5	3600	208-230/460	60	15.2-15.2 / 7.6	23 11/16" x 10 7/16" x 8 3/4"		
KH-76720-00	7 1/2	3600					22.0-22.0 / 11.0							
KH-76720-05	1800	11.2 / 5.6-5.6												
KH-76720-10	3600	23.0 / 11.5-11.5												
KH-76720-20	3600	9.6-9.6 / 4.8												
KH-76720-35	1800	6.8-6.8 / 3.4												
KH-76720-40	3600	19 9/16" x 10 1/8" x 8"												
KH-76720-50	215	120	125	212 (100)	2	1 1/2"	5	3600	208-230/460	60	15.2-15.2 / 7.6	23 11/16" x 10 7/16" x 8 3/4"		
KH-76720-00	7 1/2	3600					22.0-22.0 / 11.0							
KH-76720-05	1800	11.2 / 5.6-5.6												
KH-76720-10	3600													

Heavy-Duty Sanitary Centrifugal Pumps

CF8M stainless will not rouge

- Ideal for RO water and pharmaceutical manufacturing
- Casing is twice as thick as the 76710-series of pumps
- Washdown motors available in either white epoxy or stainless steel

What's included: conduit box for hard-wiring.



76712-00

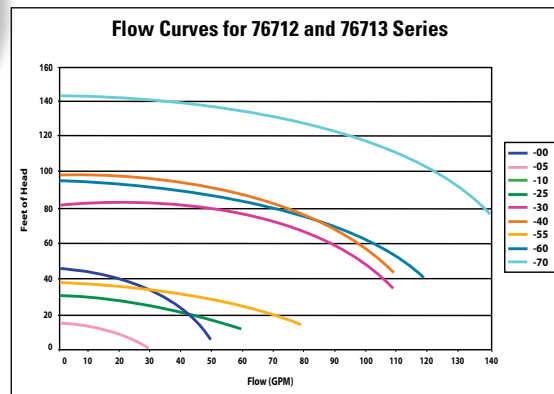
Specifications & Ordering Information



Wetted parts

Casing: 316L stainless steel
Backplate, impeller, shaft: 316 stainless steel
Adapter: 304 stainless steel

Duty cycle: continuous



Catalog number	Max flow (GPM)	Max head (ft)	Max system (psi)	Max temp °F (°C)	Connections (Tri-Clamp®)		Motor		Power			Dimensions (L x W x H)	Price
					Inlet	Outlet	hp	rpm	VAC	Hz	Amps*		
Pumps with white epoxy washdown motor													
KH-76712-00	50	46	125	212 (100)	1 1/2"	1 1/2"	1	3600	208-230/460	60	1.3	21 9/16" x 6 1/2" x 7 3/4"	
KH-76712-05	32	15					1 1/2	1800			1.6		
KH-76712-10	55	65					1 1/2	3600			2.3		
KH-76712-25	60	29			2	1 1/2"	1	1800			1.3	21 11/16" x 6 1/2" x 9 5/32"	
KH-76712-30	110	73					3	3600			3.7	23 3/4" x 8 5/8" x 10 5/32"	
KH-76712-40	115	105					5	1800			6.5	25 1/8" x 8 5/8" x 10 5/32"	
KH-76712-55	80	38					1 1/2	1800			2.0	21 11/16" x 6 1/2" x 10 9/16"	
KH-76712-60	125	92					5	3600			6.0	25 1/8" x 8 5/8" x 11 3/16"	
KH-76712-70	145	138					10	3600			11.5	26 25/32" x 9 1/2" x 11 15/16"	

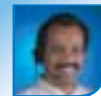
Pumps with stainless steel washdown motor

KH-76713-00	50	46	125	212 (100)	1 1/2"	1 1/2"	1	3600	208-230/460	60	1.3	21 9/16" x 6 1/2" x 7 3/4"	
KH-76713-05	32	15					1 1/2	1800			1.6		
KH-76713-10	55	65					1 1/2	3600			2.3		
KH-76713-25	60	29			2	1 1/2"	1	1800			1.3	21 11/16" x 6 1/2" x 9 5/32"	
KH-76713-30	110	73					3	3600			3.7	23 3/4" x 8 5/8" x 10 5/32"	
KH-76713-40	115	105					5	3600			6.5	25 1/8" x 8 5/8" x 10 5/32"	
KH-76713-55	80	38					1 1/2	1800			2.0	21 11/16" x 6 1/2" x 10 9/16"	
KH-76713-60	125	92					5	3600			6.0	25 1/8" x 8 5/8" x 11 3/16"	
KH-76713-70	145	138					10	3600			11.5	26 25/32" x 9 1/2" x 11 15/16"	

* Amp rating at 230 VAC

Sanitary Washdown Rotary Lobe Pumps

- Low-maintenance pumps conform to 3A sanitary standards
 - Easily replace front-mounted shaft seals without disturbing piping in the process line
 - Rugged design incorporates heavy-duty shafts for high-pressure capability
 - Bi-wing rotors require no timing adjustments and provide a high volumetric efficiency
 - Approved to EHEDG (European Hygienic Equipment Design Group) and CIP/SIP standards
- See pages 1423 for these rotary lobe pumps.



Call our Application Specialists for assistance in sizing a pump for your application.

847-549-7600

Sanitary Drum and Container Pumps

- Completely disassemble, clean, and re-assemble in 10 minutes or less!
- Stainless steel tube sets comply with 3A standards
- Centrifugal tube sets for low-viscosity liquids
- Rotary screw tube sets for medium-viscosity liquids

See pages 1350-1365 for our full selection of drum and container pumps.



PU Pumps

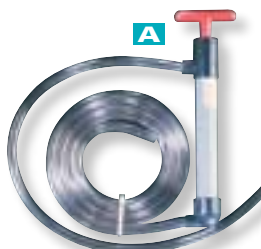
Drum and Hand, Hand-Operated

Plastic Hand-Operated Drum Pumps

Ideal for most acid/base or ionic salt applications

A Siphon/Lift Pail Pump

- Suitable for pumping petroleum products or water
- Cut inlet tube to fit your container
- Maximum suction lift is 10 ft



06437-00

B Threaded Hand Pump

- Pump detergents, water, dilute alkalis, and waxes from drums or pails— $\frac{3}{4}$ " NPT(M) intake threads permit semi-permanent attachment
- Optional adapters securely attach pump to a variety of containers—order below



06433-60



06437-10



Adapters for "B"
06433-66 06433-62
06433-64 06433-68

Adapters for "B" above

Catalog number	Description	Price
KH-06433-62	Fits Rieke Sr. covers	
KH-06433-64	Fits Rieke Jr. covers	
KH-06433-66	Fits 70-mm openings	
KH-06433-68	Fits 2" IPS bung openings	

C Siphon/Lift Drum Pump

- Equipped with a 2" IPS bung adapter for pumping detergents, water, dilute alkalis, or waxes from drums
- Cut inlet tube to fit your container

D FDA-Compliant Pumps

- Materials conform under FDA CFR 21 regulations for indirect food contact
- Available with outlet hose (70607-20) or spout (70607-22)

GO to ColeParmer.com
ColeParmer.com/Handdrum
 For a complete listing of drum and hand pumps.

E Water and Chemical Siphons

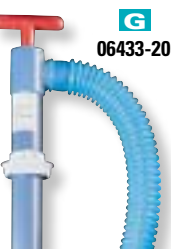
- Portable and self-priming
- Water siphon (70607-00) includes 60-inch outlet hose—cut to fit your application
- Chemical siphons (70607-10, -12) are suitable for acid and alkali transfer

F HDPE Hand Pump

- Pump acids, alcohols, and alkalis from carboys, drums, or tanks
- Self-cleaning ball valve ensures free flow and long pump life
- Order optional LDPE adapters to securely mount pump on drums

G Heavy-Duty Acid-Transfer Pumps

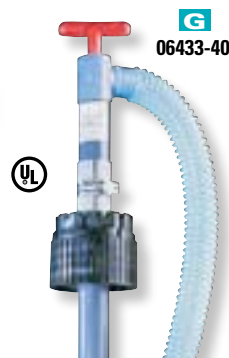
- UL-listed for sulfuric acid transfer at 50% concentration
- Withstand temperatures up to 120°F (49°C)
- Self-priming, will not siphon



06433-20



06433-30



06433-40

GO to page(s) 1358 to 1364

See pages 1358–1364 for motorized drum and container pumps.

Specifications & Ordering Information

Key	Catalog number	Strokes/gallon	Wetted materials	Container adapter	Inlet tube		Outlet hose		Dimensions		Price
					L	OD	L	OD	L	Dia	
A	KH-06437-00	32	PVC barrel and hose, urethane-buna valves and seals	None	72"	$\frac{1}{2}$ "	36"	$\frac{1}{2}$ "	9"	$1\frac{1}{4}$ "	
B	KH-06433-60	26	PVC body and hose, Hypalon® valves and seals, LDPE tube	$\frac{3}{4}$ " NPT(M)*	18"	$\frac{9}{16}$ "	9"	$\frac{9}{16}$ "	12"	$1\frac{1}{4}$ "	
C	KH-06437-10	16	PVC body and hose, Hypalon valves and seals, LDPE tube	2" IPS	18"	$\frac{9}{16}$ "	48"	$\frac{9}{16}$ "	18"	$1\frac{1}{4}$ "	
D	KH-70607-20	26	PVC barrel and hose, Viton® valves and seals, LDPE tube	$\frac{3}{4}$ " NPT(M)	12"	$\frac{9}{16}$ "	9"	$\frac{9}{16}$ "	12"	$1\frac{1}{4}$ "	
	KH-70607-22		PVC barrel, Viton valves and seals, LDPE tube and spout				6" spout	$\frac{9}{16}$ "	12"	$1\frac{1}{4}$ "	
E	KH-70607-00	32	PVC barrel, shaft, and hose	None	None	None	60"	$\frac{9}{16}$ "	9"	$1\frac{1}{4}$ "	
	KH-70607-10	26	PVC barrel and hose, LDPE tube	None	18"	$\frac{9}{16}$ "	48"	$\frac{9}{16}$ "	12"	$1\frac{1}{4}$ "	
	KH-70607-12	12	PVC barrel and hose, PVC tube	2" IPS	—	—	48"	$\frac{9}{16}$ "	36"	$1\frac{1}{4}$ "	
F	KH-06425-05	6	All HDPE parts	None	34"	$1\frac{1}{2}$ "	14"	$1\frac{1}{2}$ "	38"	$1\frac{1}{16}$ "	
G	KH-06433-00	6	Solvent-welded PVC body and shaft, Viton valves and seals	Glass carboy	—	—	36"	$1\frac{1}{4}$ "	38"	$1\frac{1}{2}$ "	
	KH-06433-10			None	—	—	36"	$1\frac{1}{4}$ "	38"	$1\frac{1}{2}$ "	
	KH-06433-20			2" IPS	—	—	36"	$1\frac{1}{4}$ "	38"	$1\frac{1}{2}$ "	
	KH-06433-30			Buttress Dell drum (M)	—	—	36"	$1\frac{1}{4}$ "	38"	$1\frac{1}{2}$ "	
	KH-06433-40			81-mm buttress (F)	—	—	36"	$1\frac{1}{4}$ "	38"	$1\frac{1}{2}$ "	

*Optional adapters are available—order separately.

Drum and Hand, Hand-Operated

Siphon and Piston Hand-Operated Pumps

Economical siphon and piston pumps are ideal for a variety of fluids

- Adaptable to most pails and drums

A Siphon Pumps are inexpensive, disposable hand pumps. Model 06439-00 features a squeeze-bulb action while models 06422-20 and 06439-10 feature a bellows action for quick and easy emptying of containers. Model 07079-70 creates a siphon with a few strokes of the pump.

B PVC and Polypropylene Piston Pumps are available in either PVC or polypropylene construction. Models 07079-50 and -55 feature an angled spout to help prevent dripping. Models 06512-00 and -05 have adjustable strokes to allow for dispensing different amounts of fluid with just one pump. Model 06512-00 pumps 64, 32, 22 and 16 strokes per gallon, model 06512-05 pumps 32, 16, 11, and 8 strokes per gallon. Models 07079-60 and -65 have bodies made entirely of PVC, including the piston and seal, making them an ideal option for sanitary applications.



Call our Application Specialists for 5-gallon pail adapters for models 07079-50 and -60.

847-549-7600

Specifications & Ordering Information

Maximum viscosity

Models 06439-00, -10, and 06422-20: 500 SSU
All other models: 4000 SSU

Maximum temperature

Models 06439-00, -10, 06422-20, 07079-50, -55: 140°F (60°C)
Models 07079-60, -65: 170°F (77°C)
Models 07079-70, 06512-00, -05: 180°F (82°C)

Catalog number	Max GPM	Strokes/gallon	Wetted materials	Container adapter	Inlet tube		Outlet hose		Dimensions		Price
					L	OD	L	OD	L	Dia	
A Siphon pumps											
KH-06439-00	2	—	Polyethylene	Fits Rieke pull-out spouts	16"	1/2"	21"	1/2"	22"	1/2"	
KH-06422-20	5	—	Polyethylene	2" IPS bung	34"	3/4"	48"	3/4"	44"	1"	
KH-06439-10	7	—	Polyethylene	2" IPS bung	34"	1"	48"	1"	45"	1"	
KH-07079-70	7	—	PVC	2" IPS bung	39"	1 1/2"	60"	1"	44"	1 1/2"	
B PVC and polypropylene piston pumps											
KH-07079-50	—	16	PVC	3/4" and 2" IPS bung	22"	1/2"	Spout	1/2"	42 1/2"	1 1/2"	
KH-07079-55	—	6	PVC	3/4" and 2" IPS bung	38"	1/2"	Spout	1/2"	44"	1 1/2"	
KH-06512-00	—	16, 22, 32, or 64	Polyethylene, polypropylene	2 5/8" flex spout adapter, 3/4" and 2" bung	32"	1/2"	Spout	1/2"	44 1/2"	1 1/2"	
KH-06512-05	—	8, 11, 16, or 32	Polyethylene, polypropylene	2 5/8" flex spout adapter, 3/4" and 2" bung	32"	1/2"	Spout	1/2"	49 1/2"	1 1/2"	
KH-07079-60	—	16	PVC, polyethylene tube	2" IPS bung	22 1/2"	1/2"	22"	1/2"	42 1/2"	1 1/2"	
KH-07079-65	—	6	PVC	2" IPS bung	none	none	36"	1/2"	44"	1 1/2"	

Guzzler® Diaphragm Hand Pumps

Low-cost, high-flow pumping solution

- Ideal for pumping shear-sensitive or particulate-laden fluids
- Durable, portable pumps mount in any position
- Available in nonclogging Delrin® (acetal) plastic or cast aluminum
- Model 07090-09 has inlet and outlet on same side

Order service kits, noncollapsing wire-reinforced vinyl hoses, stainless steel hose clamps, and check valves separately in table.

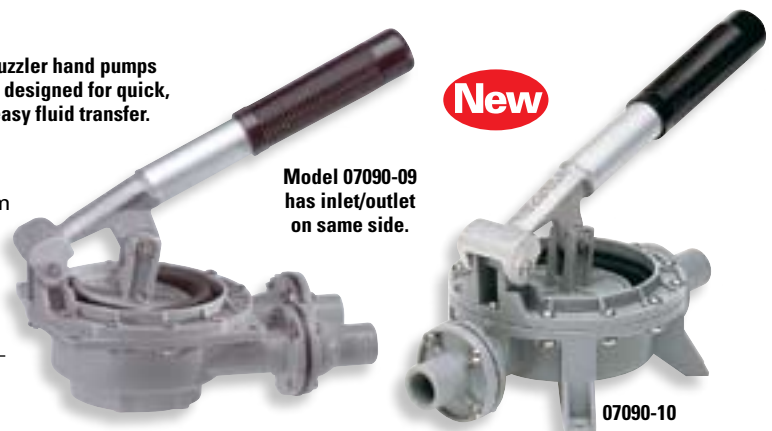
Specifications and Ordering Information

Maximum discharge head: 12 ft (3.7 m)

Suction lift: 12 ft (3.7 m)

Maximum temperature: 120°F (49°C)

Guzzler hand pumps are designed for quick, easy fluid transfer.



Pumps				Service kits		Hoses		Clamps		Check valves						
Catalog number	Flow* (GPM)	Strokes/gallon	Wetted materials	Ports		Dimensions		Catalog number	Price	Catalog number	Price/pk of 12 ft	Catalog number	Price/bx of 10	Catalog number	Price	
				ID	OD	L	W									H
KH-07090-12	20	3	Cast aluminum, Buna N diaphragm	1 5/8"	2"	14"	8"	7"		KH-07090-03		KH-06309-12		KH-06403-70		KH-06309-22
KH-07090-11	12	5	Delrin plastic, Buna N diaphragm	1 1/4"	1 1/2"	10"	5"	4"		KH-07090-02		KH-06309-11		KH-06403-60		KH-06309-21
KH-07090-10	8.5	7		3/4"	1"	10"	5"	4"		KH-07090-01		KH-06309-10		KH-06403-50		KH-06309-20
KH-07090-09																

*Approximate flow at 60 strokes/min

PU Pumps

Drum and Hand, Hand-Operated

GoatThroat™ Spillproof Precision Pumps

Pump wide selection of fluids from containers of various sizes

- Choice of four seal materials to handle a wide range of chemicals
- Works on almost any container with a 1.75" to 2.75" opening
- Internal safety relief valve prevents overpressurization
- Drums are Resource Conservation and Recovery Act (RCRA) ready

The GoatThroat pumps are designed to handle a wide range of liquids—wetted parts are 100% nonreactive, food-grade polypropylene. Choose nitrile seals for petroleum-based products including oil, diesel fuel, and glycerin. The EPDM seals are ideal for general-purpose chemicals including some acids, acetates, alcohols, and phosphates. Santoprene® seals are ideal for acetic acid, acetone, and hydrocyanic acid among others. Viton® seals were developed for more aggressive chemicals including bromine, sulfuric acid, ethylene, nitric acid, gasoline, and pesticides. The durable drip-proof design is tested to 10,000 cycles and will provide years of service.

What's included: three drum seals (small 1.75", medium 2.175", and large 2.25"), four siphon tube segments, three siphon tube connectors, and one foot piece.

New



Pump model 75650-16 includes drum seals and standoff (tank not included).

GO to ColeParmer.com

ColeParmer.com/ChemChart

To verify material compatibility with your fluid, go to ColeParmer.com/ChemChart.



Remote tap 75650-20



BillyGoat adapter 75650-40

Specifications & Ordering Information

Maximum viscosity: 1400 SSU

Maximum temperature: 110°F (43°C)

Catalog number	Max GPM	Wetted materials		Container adapter	Inlet tube		Outlet hose		Dimensions		Price
		Body	Seals		L	OD	L	OD	L	Dia	
KH-75650-00	4.5	Polypropylene	Nitrile	—	12" to 36"	¾"	Spout	⅝" barb	10½"	3¾"	
KH-75650-10				4" standoff							
KH-75650-02				—							
KH-75650-12	4.5	Polypropylene	EPDM	—	12" to 36"	¾"	Spout	⅝" barb	10½"	3¾"	
KH-75650-04				4" standoff							
KH-75650-14				—							
KH-75650-06	4.5	Polypropylene	Santoprene	—	12" to 36"	¾"	Spout	⅝" barb	10½"	3¾"	
KH-75650-08				4" standoff							
KH-75650-16				—							
KH-75650-06	4.5	Polypropylene	Viton	—	12" to 36"	¾"	Spout	⅝" barb	10½"	3¾"	
KH-75650-08				4" standoff							
KH-75650-16				—							

Accessories

Remote Taps

For point-of-use delivery of fluids. Hose is food-grade PVC.

Catalog number	Seal material	Hose length	Price
KH-75650-20	Nitrile	5 ft	
KH-75650-22	EPDM		
KH-75650-24	Santoprene		
KH-75650-26	Viton		
KH-75650-30	Nitrile	10 ft	
KH-75650-32	EPDM		
KH-75650-34	Santoprene		
KH-75650-36	Viton		

Standoff Kits and Adapters

Recommended for containers with an inside 2" NBR thread and especially for 55-gallon drums. Kit includes 2" threaded PVC adapter, extra siphon tube, and connector.

Catalog number	Description	Price
KH-75650-60	3" threaded standoff	
KH-75650-62	4" threaded standoff	
KH-75650-64	6" threaded standoff	
KH-75650-66	4" threaded standoff, galvanized	
KH-75650-68	12" threaded standoff	
KH-75650-90	2.25" buttress adapter with O-ring	
KH-75650-92	2.50" buttress adapter with O-ring	
KH-75650-94	2.75" buttress adapter with O-ring	

Seals

Seal set consists of one each of small 1.75", medium 2.175", large 2.25".

Catalog number	Material	Price/st
KH-75650-50	Nitrile	
KH-75650-52	EPDM	
KH-75650-54	Santoprene	
KH-75650-56	Viton	

Replacement Siphon Tube Parts

Catalog number	Description	Price
KH-75650-80	Siphon tube set (four 10'L segments)	
KH-75650-82	Siphon tube single piece (36")	
KH-75650-84	Siphon tube connector	
KH-75650-86	Siphon tube foot piece	
KH-75650-88	Siphon tube kit with all connectors	

BillyGoat Adapter

This lab/shop air adapter adapts your compressed air source to deliver fluid to locations from 5 to 60 feet away or up to 10 feet above the container.

[KH-75650-40 BillyGoat lab/shop air adapter](#)

Drum Adapter Kit for Masterflex® Pumps

Convert your Masterflex® tubing pump into a chemically resistant drum pump

- Easy to use—simply install the drum adapter kit, then attach your Masterflex® pump tubing to the barbed adapter (included)
- Polypropylene offers excellent chemical resistance for long service life
- Compatible with a broad range of Masterflex® pump tubing sizes for maximum versatility

Use your Masterflex pump to dispense or transfer chemicals with this drum adapter kit. Compatible with all I/P® and B/T® tubing sizes, plus some L/S® sizes, the kit includes a length of wire-reinforced suction hose, plus all fittings needed to quickly connect your Masterflex pump to a drum. Once the adapter is installed, connect the pump in seconds by clamping your pump tubing around the stepped barb. Hose clamp ensures a secure, leak-free connection. Works with any Masterflex pump tubing formulation in the sizes listed below.

What's included: 1" ID wire-reinforced suction hose (36" long), 2" bung adapter (for drum port), hose clamp, and 90° reducing elbow hose barb adapters for ¼", ⅜", ½", ⅝", ¾", and 1" ID tubing. Fits Masterflex® pump tubing sizes L/S® 17, 18, 24, 35, and 36; I/P® 26, 70, 73, 82, 88, and 89; and B/T® 86, 88, 90, and 92.

Specifications & Ordering Information

Materials of construction: polypropylene, PVC

Catalog number	Description	Price
KH-07522-02	Drum adapter kit for Masterflex pumps	

GO to page(s) 1210 to 1313

For more information on Masterflex® pumps, see pages 1210 to 1313.



Drum adapter kit
07522-02



Drum adapter kit
07522-02 allows you
to connect your
Masterflex pump
directly to a
chemical drum.

"Pump-All" Hand Pumps

Suitable for pumping flammables and medium- to high-viscosity liquids

- Hose drains completely to prevent siphoning
- Up to 15-ft suction lift
- Lockable handle mounts either upward or downward on pump body for convenience

Use grounding wire to safely pump flammable or combustible fluids—order separately below.

What's included: PTFE thread tape and two threaded inlet tubes—combine tubes for a total length of 34".

Specifications and Ordering Information

Maximum viscosity

Model 06434-10: 595 cp
Model 06434-20: 650 cp

Maximum temperature

Model 06434-10: 125°F (52°C)
Model 06434-20: 250°F (121°C)

Catalog number	Strokes/gallon	Wetted materials	Container adapter	Inlet tubes		Outlet hose		Dimensions			Price
				L	OD	L	OD	W	H	D	
KH-06434-10	4.5	Fiberglass-reinforced polyester, nitrile cork, Viton® fluoroelastomer, PVC hose, 316 SS, polyester tube and fittings	2" NPT(M)	17"	1½"	8 ft	1"	8½"	11½"	7¼"	
KH-06434-20	4.5	Ryton® PPS, PTFE, Halar® fluorocarbon elbow, Viton fluoroelastomer, 316 SS, XLPE hose	2" NPT(M)	17"	1½"	8 ft	1"	8½"	11½"	7¼"	

[KH-06434-50](#) Grounding wire, 10-ft long. Includes two copper alligator clips



06434-10

PU Pumps

Drum and Hand, Hand-Operated

Steel Hand-Operated Drum Pumps

Ideal for most organic phase applications

A Carbon Steel Pumps

- Pump mild soaps, disinfectants, and other noncorrosive liquids (not recommended for high-pH solutions)
- Sturdy carbon steel and HDPE construction ensures long life

What's included: ½" OD spout and vented bung adapter made of Delrin® resin. Order optional adapters for 5-gallon containers below.

B 316 Stainless Steel (SS) Pumps

- Suitable for pumping chlorinated or petroleum-based solvents
- 316 SS/PTFE parts offer excellent chemical resistance

What's included: ½" OD spout and vented bung adapter made of Delrin resin. To safely pump petroleum-based solvents, use grounding wire (order separately below). Order optional adapters for 5-gallon containers below.

Steel hand-operated drum pumps feature a convenient ½" OD spout.



A
07079-25

Specifications & Ordering Information

Key	Catalog number	Strokes/gallon	Wetted materials	Container adapter	Pumps				Price	Service kits			
					Inlet tube		Outlet hose			Dimensions		Catalog number	Price
					L	OD	L	OD		L	Dia		
A	KH-07079-25	16	Carbon steel body;	2" NPT(M)	23"	5/8"	6'L	1/2" OD	25"	1 1/8"	KH-07079-01		
	KH-07079-35	8	HDPE packing, piston, inlet tube		None	5/8"	spout	spout	43"	1 1/8"			
B	KH-07079-20	16	316 stainless steel body;	2" NPT(M)	23"	5/8"	6'L	1/2" OD	25"	1 1/8"	KH-07079-21		
	KH-07079-30	8	PTFE packing, piston, inlet tube		None	5/8"	spout	spout	43"	1 1/8"			

KH-07079-10 Steel screw-in adapter, 1 ¼" NPT(F). Fits 5-gallon pails

KH-07079-15 Flex spout adapter, polyethylene. Fits 5-gallon containers with 2 5/8" opening

KH-06434-50 Grounding wire for 316 SS pumps, 10-ft long. Includes two copper alligator clips

Rotary Drum Pumps

Dispense a variety of liquids with either Ryton® or polypropylene material of construction

- Lightweight and easy to use
- Smooth, non-pulsating flow
- Operate either in forward or reverse direction with a discharge hose

Polypropylene rotary pumps are excellent for most organic acids, waxes, plating solutions, detergents and water soluble inorganic chemicals. Ryton rotary pumps are able to dispense aggressive chemicals such as esters, ketones and hydrocarbons. Ryton pumps include a stainless steel discharge tube with a 3-piece stainless steel suction tube.

Specifications & Ordering Information

Maximum viscosity: 870 cps Maximum temperature: 180°F (82°C)

Catalog number	Max GPM	Wetted materials	Container adapter	Inlet tube		Outlet hose		Price
				L	OD	L	ID*	
KH-06510-00	8	Polypropylene	2" IPS Bung	40 1/4"	1 1/4"	—	1"	
KH-06510-05	6	Ryton, SS	2" IPS Bung	40 1/4"	1 1/4"	—	1"	

*Outlet hose ID is the outer diameter of the spout.



Call our Application Specialists to order optional 1" PVC 5-ft tubing with hose clamps.

847-549-7600

Large-Capacity, Steel Hand-Operated Drum Pumps

Ideal for most organic phase applications

- T-shaped handle for comfortable grip
- Larger outlet spout provides greater flow rate

Model 07079-80 features steel and polyethylene parts, and is ideal for transferring noncorrosive chemicals such as oils, waxes, and soaps. **Model 07079-90** features 316 stainless steel (SS) and PTFE parts, and is ideal for detergents, acids, corrosives, and other liquids compatible with 316 SS and PTFE

What's included: 1" OD spout and vented PE bung adapter.

Specifications & Ordering Information

Max viscosity: 2000 cp (11,360 ssu) Max temperature: 185°F (85°C)

Catalog number	Strokes/gallon	Wetted materials	Container adapter	Inlet tube		Outlet hose		Dimensions		Price
				L	OD	L	OD	L	Dia	
KH-07079-80	5.0	Steel body and piston; polyethylene seals	2" IPS bung	37"	5/8"	7" curved spout	1"	41"	1 1/2"	
KH-07079-90		316 SS body and piston; PTFE seals								



New

07079-90

Drum and Hand, Hand-Operated

Nonmetallic-Body Lever Drum Pumps

Economical pumps for use in cabinets where drums containing flammables are stored

- Fit 15-, 30-, and 55-gallon drums with 2" IPS bung openings
- Designed for use in industrial, agricultural, and automotive industries

Center-Lever Pump is self-priming and features an anti-drip spout to eliminate wasted fluid. This pump is ideal for oils, detergents, and other compatible industrial fluids.

Lever-Action Pumps feature a curved discharge spout for convenient hose extension. Choose from three models depending on your chemical needs. Model 06511-50 is ideal for water, alcohol, gasoline, diesel, kerosene, and lubricants. Model 06511-60 handles the same fluids, plus water-based chemicals, acids, and alkalis. Model 06511-80 handles the same fluids, plus strong acids and strong alkalis.

New

Specifications & Ordering Information

Max viscosity: 264 cp (1500 ssu)

Max temperature: 140°F (60°C)

Catalog number	Max flow rate	Wetted materials	Container adapter	Inlet tube		Outlet hose		Dimensions		Price
				L	OD	L	OD	L	Dia	
Center-lever pump										
KH-06511-40	9 GPM	Polypropylene body, steel rod with Viton® seals	2" IPS bung	Telescopes from 19½" to 36"	5/8"	—	1"	41"	1½"	
Lever-action pumps (adjustable flowrates: 8, 10, or 12 oz per stroke)										
KH-06511-50	9 GPM	Polypropylene body, steel rod with Viton seals	2" IPS bung	36½"	1½"	Curved spout	1"	41"	1½"	
KH-06511-60		Ryton® body, 316 SS rod with Viton seals								
KH-06511-80		Ryton body with 316 SS rod, PTFE seals								



06511-00 with curved discharge spout

06511-00 includes a high-angle discharge spout

06511-05

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ColeParmer.com/ChemChart

Don't take chances—search our interactive chemical compatibility guide!

Lever Drum Pumps

Ideal for use in cabinets where drums containing flammables need to be stored

- Curved discharge spout for convenient hose extension
- Designed for use in industrial, agricultural, and automotive industries
- Model 06511-00 is ideal for use with high-viscosity fluids

Lever drum pump model 06511-05 is able to dispense kerosene, antifreeze, lightweight oils, non-water-based and non-corrosive detergents, waxes, or disinfectants. High viscosity model 06511-00 can be used with paraffin, motor oil, cutting oil and other viscous lubricants. This pump comes with a high-angle discharge spout with screen and a curved discharge spout.

Specifications & Ordering Information

Max viscosity

06511-00: 1500 cps

06511-05: 800 cps

Maximum temperature: 140°F (60°C)

Catalog number	Strokes per gallon	Wetted materials	Container adapter	Inlet tube		Outlet hose		Price
				L	OD	L	OD	
KH-06511-00	4	Steel pump body, Delrin piston, neoprene seals	2" IPS Bung	32"	1"	High angle and curved spout	—	
KH-06511-05	8	Zinc-plated pump body, steel piston, neoprene seals	2" IPS Bung	36"	1"	Curved spout	—	

PU Pumps

Drum and Hand, Air-Operated

Economical Air-Operated Drum Pumps

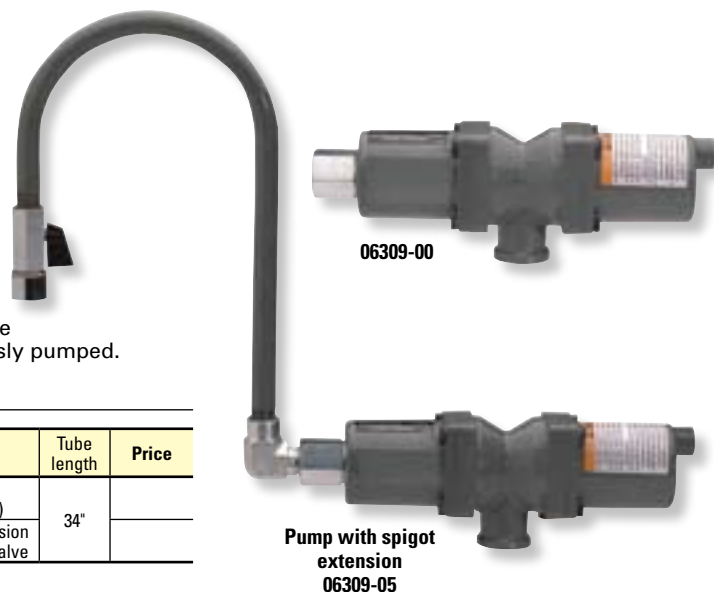
Economical, air-operated pumps for transferring low- to medium-viscosity fluids

- For continuous dispensing, connect pump to an air line that supplies 20 to 120 psig inlet air pressure
- Reciprocating-piston, low-pressure pump design
- Fill a secondary container from a drum using spigot extension on model 06309-05

Pumps operate via the air line supplying power to the pump's piston on the dispensing (or working) stroke. The piston is returned via an internal spring and is reset for the working stroke. When fluid outlet valve is open and 20 to 120 psig air is supplied to the pump, fluid is continuously pumped.

Specifications & Ordering Information

Catalog number	Max flow rate	Container adapter	Motor type	Inlet air pressure	Outlet	Tube length	Price
KH-06309-00	4 GPM	2" bung, adjustable for 55- and 16-gallon drums, bench and portable tanks	Air-operated	Min: 20 psig (1.4 bar) Max: 120 psig (8.3 bar)	3/8" or 1/2" NPT(F)	34"	
KH-06309-05					Spigot extension with on/off valve		



Pump with spigot extension
06309-05

Air Line Accessories

Pneumatic Accessories to complete your air-operated drum pump systems. Filter regulators separate liquid and debris from the air lines, down to 5um in size.

Catalog number	Connection port	Flow rate ¹ (scfm)	Price
KH-79614-20	1/4" NPT(F)	37	
KH-79614-22	3/8" NPT(F)	50	
KH-79614-24	1/2" NPT(F)	90	
KH-79614-26	3/4" NPT(F)		

¹Based on 100 psig inlet, set at 80 psig with 25% psid



79614-22

GO to page(s) 274 to 275

For air line control accessories such as air regulators, filters, couplers, and hose, see pages 274 to 275.

Air-Operated Double-Diaphragm Drum Pump Kits

Safe and economical, liquid transfer for manufacturing and water treatment environments

- No sliding parts—pumps can run dry without damage
- Variable flow rate and discharge pressure—one pump works for many applications
- Portable and simple to install

Air-operated, double-diaphragm drum pumps incorporate side liquid ports and use a 90° elbow (included) on the top of the drum. Self-priming pumps handle liquids with particulate matter at pressures up to 100 psi. Dead head operation allows discharge line to be closed with no damage or wear to the pump. Drum inlet connection is a 2" bung.

Minimal parts contacting liquid is excellent for use with shear-sensitive fluid. The PTFE diaphragms maintain their integrity when pumping highly aggressive fluids. Thermoplastic olefin (TPO) diaphragms maintain flexibility when used with acids or caustic fluids.

What's included: 90° elbow; bung adapter; polypropylene (PP) pumps include a 33"L PVC suction pipe. Kynar (PVDF) pumps include a 33" L PVDF suction pipe.



74024-00



Kits include pump, elbow, bung adapter, and suction pipe.

Specifications and Ordering Information

Catalog number	Flow (GPM)	Wetted materials	cfm range	Max fluid temperature	Port connection	Air inlet requirements		Price
						Connection	Max psi	
KH-74024-00	12	PP body; PTFE diaphragm, check balls and O-rings	3 to 9	180°F (82°C)	1/2" NPT(F)	1/4" NPT(F)	100	
KH-74024-02		PP body; TPO diaphragm; EPDM check balls and O-rings						
KH-74024-10	21	PP body; PTFE diaphragm, check balls and O-rings	5 to 15	180°F (82°C)	3/4" NPT(F)	1/4" NPT(F)	100	
KH-74024-12	28	PP body; TPO diaphragm; EPDM check balls and O-rings						
KH-74024-04	12	PVDF body; PTFE diaphragm, check balls and O-rings	3 to 9	212°F (100°C)	1/2" NPT(F)	1/4" NPT(F)	100	
KH-74024-06		PVDF body; TPO diaphragm; EPDM check balls and O-rings						

Drum and Hand, Air-Operated

Cole-Parmer Air-Operated Pumps

Patented air mechanism provides extremely low noise levels—great for busy work environments

- 60% lower air consumption
- One-piece air mechanism makes maintenance quick and easy
- Pumps provide fast, reliable delivery yet are rugged enough for extreme conditions
- Use for any application requiring pressurized oil—ideal for manufacturing, construction, and mining

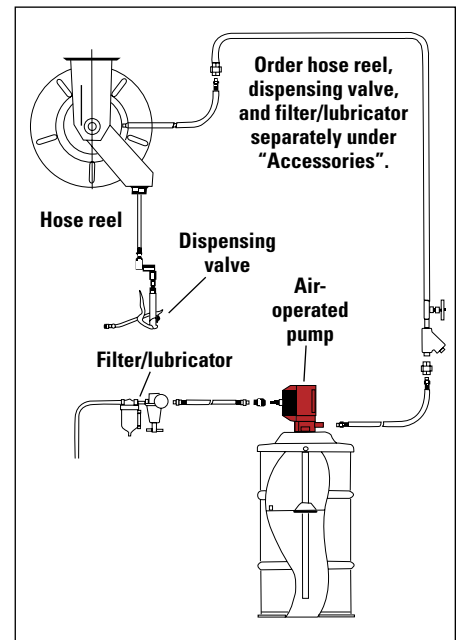
Pumps handle petroleum-based lubricants and synthetic oils. They also feature an internal muffler to reduce air noise. Stall-free air motor can be used with or without a lubricator. Make quick orientation changes by adjusting the outlet up to 360°. Easily service pump in-line to minimize costly downtime. Pumps mount directly to drum or tank; for containers other than 16 and 55 gallons, cut a 2" pipe to the length you need.

What's included: 2" BSP/NPT female drum adapter and a built in pressure relief valve.

New

Pump oils and lubricants—quickly and quietly.

79015-00



Typical pump application: lubricant is piped from a central location to anywhere on site where one or more hose reels can be connected to the system.

Technical info

Pump ratio is the ratio of pressure in (air) to pressure out (fluid). For example, a 3:1 ratio means that 30 psi of air in provides 90 psi of fluid out.

Specifications & Ordering Information

Catalog number	Flow (GPM)	Pump ratio	Tube length	Wetted materials	Connections		Air inlet requirements		Dimensions		Price
					Inlet	Outlet	Connection	Max psi	Length	Dia	
KH-79015-00	13	1:1	36"	Zinc plated steel tube, nitrile and polyethylene seals	1" NPT(F)	¾" NPT(F)	¼" NPT(F)	145	46½" x 2"	2"	
KH-79015-05			9"						16½" x 2"		
KH-79015-10	6	3:1	36"	Zinc plated steel tube, nitrile and polyethylene seals	¾" NPT(F)	¾" NPT(F)	¼" NPT(F)	145	46½" x 1¼"	1¼"	
KH-79015-15			8½"						16½" x 1¼"		
KH-79015-20	5	5:1	36"	Zinc plated steel tube, nitrile and polyethylene seals	¾" NPT(F)	¾" NPT(F)	¼" NPT(F)	145	46½" x 1¼"	1¼"	
KH-79015-25			8½"						16½" x 1¼"		

Accessories for Dispensing and Control

Hose Reels withstand pressure up to 6000 psi. Include a reel, delivery hose, connecting hose, union, hose stop, and swivel. Inlet connection is ½" NPT(F), outlet is ¾" NPT(F).

[KH-79015-70](#) Hose reel, 30-ft hose

[KH-79015-75](#) Hose reel, 50-ft hose

Grease Dispensing Valves dispense fluid with a trigger switch. The standard model delivers a pre-set volume with partial depression of trigger, continuous flow when fully depressed. Deluxe model has selections for full flow and wide range of measured volumes. Both valves are designed for pressures up to 7500 psi. Inlet connection is ¼" NPT(F), outlet is ⅝" NPT(F).

[KH-79010-70](#) Grease dispensing valve, standard

[KH-79010-72](#) Grease dispensing valve, deluxe

Non-Metered Control Valve is designed for light viscosity fluids. Use to deliver up to 10 GPM. Inlet connection is ½" NPT(M).

[KH-79010-76](#) Non-metered control valve

Metered Control Valve delivers lubricants from 0.25 to 8 GPM with an accuracy of ±0.5%. Digital display and ergonomic trigger latch make valve easy to use. Built-in totalizer provides total gallons dispensed. Pressure range is 30 to 1500 psi. Inlet connection is ½" NPT(M).

[KH-79015-50](#) Metered control valve

79015-50

**Accessories** for Air Supply

Filter Regulator/Lubricator provides lubrication for the air motor. Connection is ¼" NPT(F).

[KH-79160-01](#) Filter regulator/lubricator

Pneumatic Hose Assembly is constructed of PVC. Use for air inlet supply. Hose is ⅜" ID, with ¼" NPT(M) connection.

[KH-79161-33](#) Pneumatic hose assembly. Pack of 50 ft

[KH-79160-06](#) Mounting bracket for ¼" NPT(F) regulators and lubricators

[KH-79160-90](#) Connector kit for regulators and lubricators

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For a complete listing of drum and hand pumps.



PU Pumps

Drum and Hand, Motorized

Economical Drum Pumps

Transfer small quantities of fluids from drums or other containers—up to 6 GPM

- Rugged construction for laboratory or industrial use
- Economical and lightweight
- Push-button operation

Select a pump tube and motor to fit your application needs. Pump tubes are available in 27" and 40" lengths and with shafts made of either 316 SS or Alloy 625. Motors are splashproof and feature an ergonomic handle. Pump motors are also available in 220/440 VAC, 50/60 Hz; please call our Application Specialists to order.

Specifications & Ordering Information

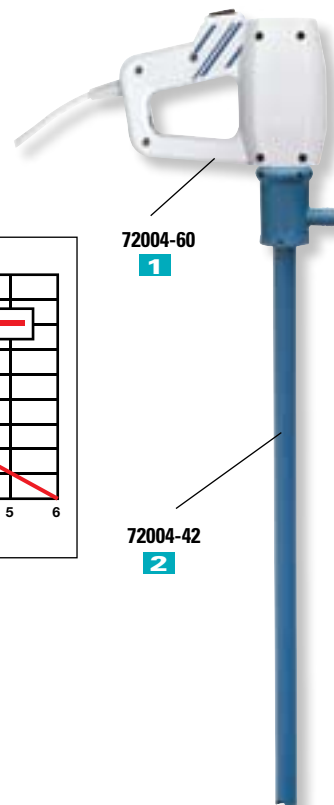
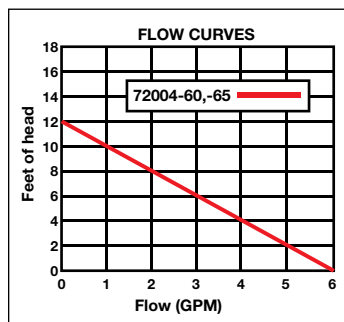
1 Motors

Catalog number	Max viscosity	Motor type	hp	rpm	Power	Price
KH-72004-60	150 cp	TEFC	1/2	10,000	120 VAC, 50/60 Hz	
KH-72004-65	150 cp	Air	1/2	6000	80 psi @ 25 cfm	



Required System Components

- 1 Motor
- 2 Tube set



2 Tube Sets

Catalog number	Tube length	Tube OD	Tube material	Max flow	Max head	Max temp	Wetted materials			Price
							Seal	Shaft	Internals	
KH-72004-42	27"	1"	Polypropylene	6 GPM	12 ft	120°F (49°C)	Graphite filled PTFE	316 SS	PP, PTFE, Viton®, PVDF	
KH-72004-44	40"									
KH-72004-46	27"									
KH-72004-48	40"									

Complete Drum and Laboratory Pumps

Transfer fluid to and from a variety of containers—drums, glass carboys, canisters or narrow-necked bottles

- Polypropylene or 316 stainless steel construction
- Splashproof motor and on-off switch
- Lightweight and economical

Dispense or mix fluids with water-like viscosities in the laboratory or other areas. Drum pumps are available in 25" or 39" pump tube lengths. Pumps come complete with pump tube and motor. Sealless pump tubes minimize service and maintenance on pumps. Model 70510-00 has a battery-powered motor for applications requiring portability. Optional accessory kit includes wall hanger, nozzle, spout, 5-ft PVC hose, and hose clamps.

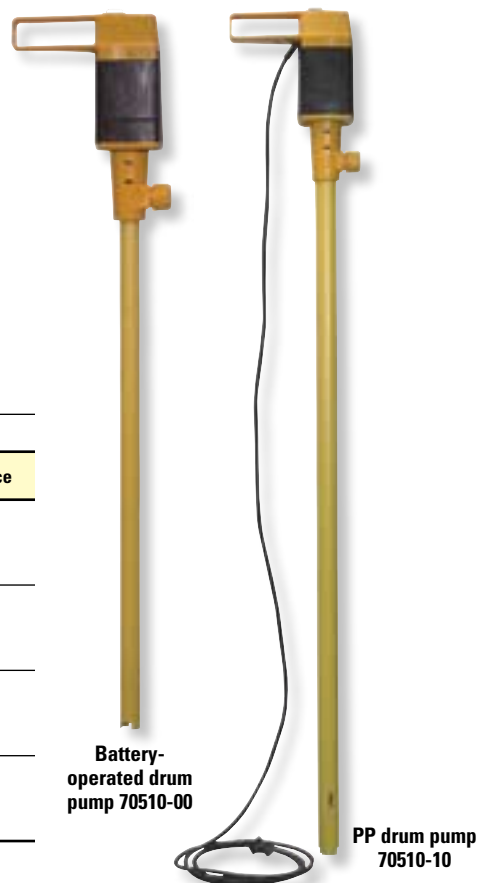
What's included: Model 70510-00 has a battery charger. Models 70510-05, -10, and -15 have a 10-ft cord with two-wire plug.

Specifications & Ordering Information

Motor type: chemical resistant, enclosed			Max specific gravity: 1.3			rpm: 10,000						
Catalog number	Max flow rate	Max* viscosity	hp	Tube diameter	Port	Power (VAC, Hz)	Tube length	Tube material	Max head	Max temp	Wetted material	Price
KH-70510-00	3.5 GPM	300 cp	1/8	1.1"	3/4" hose barb	4.8 VDC	25"	PP	11 ft	140°F (60°C)	PP pump-tube and impeller, carbon bearings, Hastelloy C drive shaft	
KH-70510-05	7.2 GPM	500 cp	1/8	1"	3/4" hose barb	115, 60	25"	PP	16.4 ft	140°F (60°C)	PP pump-tube and impeller, carbon bearings, Hastelloy C drive shaft	
KH-70510-10	12.5 GPM	500 cp	1/8	1.2"	3/4" hose barb	115, 60	39"	PP	21.5 ft	140°F (60°C)	PP pump-tube and impeller, carbon bearings, Hastelloy C drive shaft	
KH-70510-15	19.4 GPM	500 cp	1/8	1.1"	3/4" hose barb	115, 60	39"	SS	21.5 ft	212°F (100°C)	316 SS pump-tube and drive shaft, carbon bearings, ETFE impeller	

*Viscosity ratings are rated for use 10 minutes maximum.

[KH-70510-90](#) Accessory kit for all models



Cole-Parmer Complete Drum and Container Pumps

System includes pump tube and motor—tube material options ensure chemical compatibility

- Equipped with variable-speed control motors (except air and explosion-proof models) for added safety and control
- Maintenance is reduced with no mechanical seals
- Run dry capability

Drum and container pumps are engineered to safely transfer a variety of liquids from drums, tanks and small storage vessels. Materials such as PP, PVDF, CPVC and 316 SS provide excellent chemical resistance against corrosive liquids. Order optional dispensing nozzle from "Accessories" for added control.

What's included: electric motor with 16-ft power cord and tube, except models 70613-70, -75, -80, -85 which include an air motor and tube.

More info

For pumping fluids from a 55-gallon drum, a 39" tube length is required.

Pump 70613-40 shown with barrel adapter, strainer, wall mounting bracket, and nozzle with 6 ft of PVC hose (accessories not included)



Close-up of variable-speed control found on the motors.



(All except 70613-60, -65)



Specifications & Ordering Information

rpm: 10,000 Port: 1" (25 mm) hose barb Run dry: yes

Catalog number	Max flow rate	Max viscosity	Motor type	hp	scfm range*	Power (VAC, Hz)	Tube length	Tube materials	Max temperature	Wetted materials	Price
KH-70613-00	35 GPM	1500 cp	ODP	1	—	110, 60	39"	PP	130°F (55°C)	PP, carbon, Hastelloy®	
KH-70613-05				1	—	230, 50	39"				
KH-70613-10				1	—	110, 60	47"				
KH-70613-15				1	—	230, 50	47"				
KH-70613-20	35 GPM	1500 cp	TEFC	1	—	110, 60	39"	PVDF	175°F (80°C)	PVDF, carbon, Hastelloy	
KH-70613-25				1	—	230, 50	39"				
KH-70613-30				1	—	110, 60	47"				
KH-70613-35				1	—	230, 50	47"				
KH-70613-40	35 GPM	1500 cp	TEFC	1	—	110, 60	39"	CPVC	190°F (90°C)	CPVC, carbon, Hastelloy	
KH-70613-45				1	—	230, 50	39"				
KH-70613-50				1	—	110, 60	47"				
KH-70613-55				1	—	230, 50	47"				
KH-70613-60	33 GPM	750 cp	XPRF	¾	—	230, 50	39"	316 SS	175°F (80°C)	316 SS, carbon, PTFE	
KH-70613-65				¾	—	230, 50	47"				
KH-70613-70	32 GPM	750 cp	Air	¾	28	—	39"	316 SS	175°F (80°C)	316 SS, carbon, PTFE	
KH-70613-75				¾	28	—	47"				
KH-70613-80				½	22	—	39"				
KH-70613-85				½	22	—	47"				

*at 90 psi

Replacement Pump Tubes

Replacement tubes do not include barrel adapter and mouting bracket; order separately at right.

Catalog number	Tube length	Tube material	Price
KH-70604-42	39"	PP	
KH-70604-44	47"		
KH-70604-52	39"	316 SS	
KH-70604-54	47"		
KH-70604-62	39"	PVDF	
KH-70604-64	47"		
KH-70604-66	39"	CPVC	
KH-70604-68	47"		

Replacement Motors

Catalog number	Motor type	scfm range*	Power (VAC, Hz)	Price
KH-70604-03	ODP	—	110, 60	
KH-70604-06		—	230, 50	
KH-70604-23	XPRF	—	230, 50	
KH-70604-13	TEFC	—	110, 60	
KH-70604-16		—	230, 50	
KH-70604-25	Air	28	—	
KH-70604-20		22	—	

*at 90 psi

Accessories

[KH-70604-86 Strainer](#); PP, down to 5 micron

[KH-70604-88 Strainer](#); SS, down to 5 micron

[KH-70604-90 Wall mounting bracket](#); provides pump storage

[KH-70604-96 Nozzle](#); PP, with 6-ft of PVC hose

[KH-70604-92 Replacement barrel adapter](#); PP, provides vertical stabilization



70604-86



70604-92



70604-90



70604-96

PU Pumps

Drum and Hand, Motorized

Cole-Parmer Batch Control Drum Pump Systems

Save money by accurately dispensing expensive fluids—to $\pm 0.5\%$

- Automatically dispense preset volumes of fluid from drums, tanks, and storage containers
- Control transfer of highly corrosive fluids
- Save up to seven preset volumes in the automatic batch memory

Batch control drum pumps are ideal for applications in chemical packaging, waste water treatment, chemical manufacturing, plating, semi-conductor, pharmaceutical and agricultural industries.

These systems are engineered to control, measure and dispense controlled volumes of fluid from drums, tanks and small storage vessels. Simply select the desired volume to transfer, press the enter key and watch the pump accurately dispense the fluid.

Systems are available with either polypropylene or PVDF pump tubes for chemical compatibility with your fluid. Flow rate can be displayed in gallons, Imperial gallons, liters, milliliters, or cubic meters per minute, second, or hour. Volume can be displayed in gallons, Imperial gallons, liters, milliliters, or cubic meters. Select from five different languages for display: English, German, French, Italian or Spanish. Flow meters also feature a re-settable totalizer, EEPROM electronics, and a paddle wheel design for continuous flow measurement of neutral and aggressive solid-free fluids.

What's included: motor, pump tube, batch control meter, check valve and hose barb.



70612-00

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ColeParmer.com/ChemChart

Don't take chances—search our interactive chemical compatibility guide!

Specifications & Ordering Information

Accuracy: $\pm 0.5\%$ **Outlet:** 1" hose barb or 1" NPT thread

Catalog number	Max flow rate	Max viscosity	Motor type*	hp	rpm	Power (VAC, Hz)	Tube length	Tube material	Max temp	Price
KH-70612-00 KH-70612-05	25 GPM	300 cp	ODP	1	10,000	110, 60 230, 50	39"	Polypropylene	130°F (55°C)	
KH-70612-10 KH-70612-15	25 GPM	300 cp	ODP	1	10,000	110, 60 230, 50	47"	Polypropylene	130°F (55°C)	
KH-70612-20 KH-70612-25	25 GPM	300 cp	TEFC	1	10,000	110, 60 230, 50	39"	PVDF	175°F (80°C)	
KH-70612-30 KH-70612-35	25 GPM	300 cp	TEFC	1	10,000	110, 60 230, 50	47"	PVDF	175°F (80°C)	

*ODP = Open drip-proof; TEFC = Totally enclosed, fan-cooled.

Accessories

[KH-70604-92](#) **Replacement barrel adapter;** PP. Provides vertical stabilization

[KH-70604-86](#) **Strainer;** PP. Down to 5 micron

[KH-70604-88](#) **Strainer;** SS. Down to 5 micron

[KH-70604-90](#) **Wall mounting bracket;** provides pump storage

[KH-70604-96](#) **PP nozzle;** with 6 feet of PVC hose



Drum and Hand, Motorized

Complete-Drainage Drum Pumps

Drain fluids in drums down to 1/8 of an inch

- Excellent for drainage of highly toxic, expensive or sensitive fluids
- Non-lubricated pump tubes prevent contamination of fluids
- Model 70511-10 can be used in hazardous locations

Drainage drum pumps are excellent for use in applications where containers need to be completely drained. With a small diameter, drainage pump tubes are ideal for use in narrow-necked containers. Interchange multiple pump tubes with one motor. Model 70511-10 can be used in hazardous applications when configured with the 70513-30, -40, -50, or -60 motors.

Note: Do not allow pump tubes to run dry.

What's included: Model 70511-00: wall hanger; model 70511-10: wall hanger, two-ground wires and one bonding wire approved for flammable liquids when used with an explosion-proof motor. Models 70513-00, -10, -20: 16-ft power cord and plug; Model 70513-30 has a 16-ft power cord with no plug; Model 70513-60: handle and on-off trigger.

Mixing Drum Pumps

Mix and pump emulsions and suspensions in a single operation

- For thin-bodied and low-viscosity liquids
- Small pump tube diameter is ideal for use in applications with narrow-necked containers
- Ensures media are properly mixed and homogenized

Mixing intensity and delivery rate of the pump are determined by the rate of flow, viscosity, and density of the fluid. Drive shafts of the pump tubes are sealed by a single-acting mechanical seal and the two shaft seals behind it. Pump tubes are non-lubricated to prevent any contamination of fluids. Model 70512-10 is a sealless pump tube design.

Interchange multiple pump tubes with one motor. For hazardous-duty applications, use pump tube 70512-20 with pump motors 70513-30, -40, -50, or -60.

Note: Do not allow pump tubes to run dry.

What's included: Models 70512-00, -10: wall hanger; model 70512-20: wall hanger, two ground wires and one bonding wire. Models 70513-00, -10, -20: 16-ft power cord and plug; model 70513-30 has a 16-ft power cord with no plug; model 70513-60: handle and on-off trigger.

Required System Components

- 1 Motor
- 2 Tube set



1
70513-10



Specifications & Ordering Information

1 Motors

Catalog number	Max viscosity	Motor type	hp	Power (VAC, Hz)	Price
KH-70513-00	1400 cps	ODP	7/8	120, 50/60	
KH-70513-10	1500 cps	ODP	1	120, 60	
KH-70513-20	1200 cps	TEFC	3/4	120, 60	
KH-70513-30	800 cps	XPRF	1/2	120, 60	
KH-70513-40	500 cps	Air	1/3	14 cfm at 87 psi	
KH-70513-50	1600 cps	Air	1/2	32 cfm at 87 psi	
KH-70513-60	1600 cps	Air	1/2	32 cfm at 87 psi	

2 Tube Sets

Catalog number	Max flow	Max head	Tube length	Tube OD	Tube material	Max temp	Wetted materials	Price
KH-70511-00	17.5 GPM	43 ft	39"	41 mm (1.6")	PP	122°F (50°C)	316 SS drive shaft, Carbon, ceramic, Viton® and Hastelloy® C mechanical seals, PP impeller	
KH-70511-10	20 GPM	56 ft	39"	41 mm (1.6")	SS	212°F (100°C)	316 SS drive shaft, Carbon, Ceramic, PTFE and Hastelloy C mechanical seals, ETFE impeller	

2
70511-00

Required System Components

- 1 Motor
- 2 Tube set



1
70513-00



Specifications & Ordering Information

1 Motors

Catalog number	Max viscosity	Motor type	hp	Power (VAC, Hz)	Price
KH-70513-00	900 cps	ODP	7/8	120, 50/60	
KH-70513-10	1200 cps	ODP	1	120, 60	
KH-70513-20	1000 cps	TEFC	3/4	120, 60	
KH-70513-30	300 cps	XPRF	1/2	120, 60	
KH-70513-40	900 cps	Air	1/3	14 cfm at 87 psi	
KH-70513-50	1100 cps	Air	1/2	32 cfm at 87 psi	
KH-70513-60	1100 cps	Air	1/2	32 cfm at 87 psi	

2 Tube Sets

Catalog number	Max flow	Max head	Tube length	Tube OD	Tube material	Max temp	Wetted materials	Price
KH-70512-00	24 GPM	69 ft	39"	50 mm (2")	PP	122°F (50°C)	316 SS drive shaft, carbon, ceramic, Viton®, 316 SS and Hastelloy® C mechanical seals, PP impeller	
KH-70512-10	24 GPM	69 ft	39"	50 mm (2")	PP	122°F (50°C)	316 SS drive shaft, PTFE support, bearings, PP impeller	
KH-70512-20	49 GPM	36 ft	39"	41 mm (1.6")	SS	212°F (100°C)	316 SS drive shaft, ceramic, PTFE, and stainless steel mechanical seals, carbon support bearings, ETFE impeller	

2
70512-00

PU Pumps

Drum and Hand, Motorized / Sanitary

Heavy-Duty Drum and Container Pumps

Construct a pump system that meets your specific needs

- High-viscosity tube set handles fluids with viscosities to 50,000 cp!

To order a complete pump system, first consider the viscosity and corrosiveness of the liquids you'll be pumping. Select a chemically compatible tube set and be sure to order a set long enough to reach the bottom of your tank or drum. (A 55-gallon drum requires a 39" tube set.) Then select the pump motor best suited to your application and your liquid viscosity.

1 Electric and Air Motors

A General-Purpose Motors are used for applications where speed and safety are important. Double-insulated, splashproof, open motor has a built-in overload switch with manual reset to avoid the danger of automatic restarting. Downdraft ventilation stops fumes from entering the motor while operating.

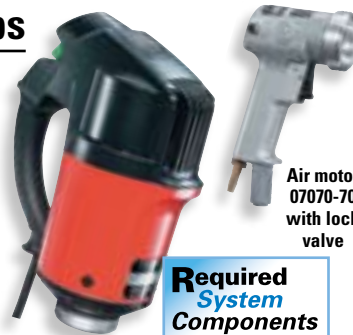
B Electric Motors are ideal for difficult pumping situations. Splashproof, corrosion-resistant epoxy coating resists caustic fluids. Built-in overload protection switch has manual reset for safety.

C Explosion-Proof Electric Motors are rated for Class 1, Groups C and D hazardous environments and for pumping flammable liquids. Manual overload reset feature eliminates the danger of automatic restarting.

D Heavy-Duty Motors are best for applications requiring high output head. Motors have a built-in overload switch with manual reset to avoid the danger of automatic restarting.

E Air-Operated Motors are ideal for hazardous-duty applications or where electricity is not available. Models 07070-60 and -70 are fitted with a muffler and include grounding post. Model 07070-70 also has a unique trigger valve handle—press switch for intermittent pumping; lock switch for continuous use.

Models 70603-50, -52, and -54 feature variable speed control up to 900 rpm. These cool-running motors will not burn out. They are compact, portable, and operate in any position—ideal for transferring high-viscosity fluids.

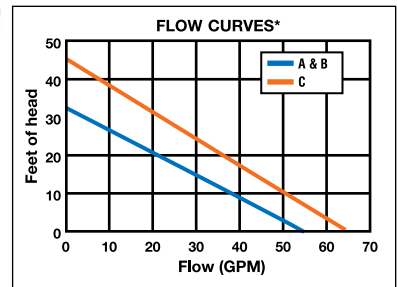


Heavy-duty TEFC motor 07070-20

Air motor 07070-70 with lock valve

Required System Components

- 1 Motor
- 2 Tube set
- 3 Accessories



*Flow curves shown are for motors used with standard SS tube sets. For more complete flow information, contact our Application Specialists.



Specifications and Ordering Information

Catalog number	Maximum viscosity	Motor type	hp	rpm	Power	Price
A General-purpose motors						
KH-07070-50	600 cp	Open	1/2	8500	120 VAC, 60 Hz	
KH-07070-52						
B Electric motors*						
KH-07076-02	800 cp	TEFC	1/2	9000	120 VAC, 60 Hz	
KH-07070-33						
KH-70603-60	50,000 cp	TEFC	1 1/2	840	230/460 VAC, 60 Hz, 3-phase	
C Explosion-proof motors*						
KH-07070-40	450 cp	XPRF	1/2	9000	120 VAC, 60 Hz	
KH-07076-15	600 cp					
D Heavy-duty motors*						
KH-07076-20	800 cp	TEFC	3/4	9500	120 VAC, 60 Hz	
KH-07076-25						
E Air-operated motors*						
KH-07070-60	1200 cp	Air	1/2	900	17 cfm at 85 psi	
KH-07070-70					17 cfm at 85 psi with on/off control	
KH-70603-50	50,000 cp	Air	1 1/2	900	60 cfm at 100 psi [†]	
KH-70603-52	100,000 cp	Air	4	900	110 cfm at 100 psi [†]	
KH-70603-54	120,000 cp	Air	5	900	175 cfm at 100 psi [†]	

*These motors can be used with high-viscosity and sanitary tube sets. [†]Rating at 2500 rpm

2 Tube Sets

A Standard, High-Head, and Heavy-Duty Tube Sets feature a sealless design for low maintenance and long life. All tube sets include a hose barb fitting made of the same material as the tube set. Fitting accepts either 3/4" or 1" ID tubing.

Polypropylene (PP) sets are an economical choice for pumping dilute acids and low-concentration caustics. **PVDF sets** are ideal for your high-purity applications. **Stainless Steel (SS) sets** are for strong solvents such as trichloroethylene and most strong acids and alkalis.

Specifications and Ordering Information

Maximum temperature

PP sets: 122°F (50°C)
PVDF sets: 212°F (100°C)
SS sets: 248°F (120°C)

Wetted materials

PP sets: PP body; Tefzel® impeller; Viton®, PTFE, carbon, Hastelloy C®
PVDF sets: PVDF body; Tefzel impeller; Viton, PTFE, carbon, Hastelloy C
SS sets: SS body; Tefzel impeller; Viton, PTFE, carbon

Tube length	Plastic tube sets				Metal tube sets					
	Max flow [†]	Max head	Polypropylene (PP)		PVDF		Max flow [†]	Max head	Stainless steel (SS)	
			Cat. no.	Price	Cat. no.	Price			Cat. no.	Price
Standard tube sets: 1 1/16" OD (plastic tube sets have 3/4" hose barb; metal tube sets have 1" hose barb)										
27"	35 GPM	40 ft	KH-70600-00		KH-70601-00		44 GPM	37 ft	KH-70602-00	
39"			KH-70600-02		KH-70601-02				KH-70602-02	
47"			KH-70600-04		KH-70601-04				KH-70602-04	
60"			KH-70600-06		KH-70601-06				KH-70602-06	
High-head tube sets: 1 1/16" OD (plastic tube sets have 3/4" hose barb; metal tube sets have 1" hose barb)										
27"	26 GPM	60 ft	KH-70600-10		KH-70601-10		25 GPM	55 ft	KH-70602-10	
39"			KH-70600-12		KH-70601-12				KH-70602-12	
47"			KH-70600-14		KH-70601-14				KH-70602-14	
60"			KH-70600-16		KH-70601-16				KH-70602-16	
Heavy-duty tube sets: 2" OD (all sets have 1" hose barb)										
39"	53 GPM	32 ft	KH-70600-22		KH-70601-22		44 GPM	67 ft	KH-70602-32	
47"			KH-70600-24		KH-70601-24				KH-70602-34	
60"			KH-70600-26		—				—	

[†]Flow rates using electric TEFC motor 07076-02. For more complete flow information, contact our Application Specialists.



PP tube set 70600-00

SS tube set 70602-00

Drum and Hand, Motorized / Sanitary

2 Tube Sets continued

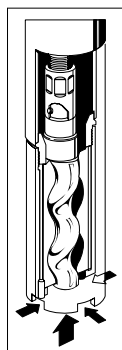
B Pump and Mix Tube Sets eliminate the hassle of needing a separate mixing tube. With the unique lever design, you can easily switch between pumping and mixing modes to pump and mix the drum contents separately or simultaneously. SS tube sets are 1 $\frac{1}{16}$ " OD with 1" hose barb; PP tube sets are 2" OD with $\frac{3}{4}$ ", 1", or 1 $\frac{1}{4}$ " hose barb.

Specifications and Ordering Information

Catalog number	Tube length	Max flow	Max head	Tube material	Max temp	Price
KH-07076-50	39"	45 GPM	25 ft	SS	248°F (120°C)	
KH-07076-52	47"					
KH-07076-54	60"					
KH-07076-56	39"	45 GPM	25 ft	PP	122°F (50°C)	
KH-07076-58	47"					

C High-Viscosity Tube Set is for fluids with viscosities as high as 50,000 cp. PTFE stator and stainless steel rotor physically draw fluids from the bottom of the vessel. Stator has a grooved inside wall, contoured to match the edges of the rotor (see diagram at right). As the rotor turns inside the stator, fluids are forced upward toward the discharge port. The chemically inert stator presents a smooth, nonstick surface to even the stickiest liquids.

Note: Use high-viscosity tube set with any motor except models 07070-50 or -52. Tube set includes rotor and stator; dismantles easily for cleaning.



Pump and mix tube set 07076-56

**Specifications and Ordering Information**

Catalog number	Tube length	Max flow	Max head	Tube OD	Tube material	Max temp	Price
KH-07070-81	39"	10 GPM	116 psi	2"	316 SS	150°F (66°C)	

KH-07070-82 Replacement stator**3 Accessories**

Fume Glands do not allow fumes from the liquid in the drum to vent out. Glands allow air to enter the drum when pump is operating, then close when pump is switched off and left in position in the drum.

Catalog number	Material	Diameter	Price
KH-07076-60 KH-07076-62 KH-07076-64	PP	40 mm	
41 mm			
50 mm			
KH-07076-66 KH-07076-68 KH-07076-70	Brass	40 mm	
41 mm			
50 mm			
KH-07076-72 KH-07076-74 KH-07076-76	SS	40 mm	
41 mm			
50 mm			

Hand Nozzles

Catalog number	Material	Hose barb	Price
KH-07070-18 KH-07070-19	PP Brass	$\frac{3}{4}$ " 1"	

Drum Adapters

Catalog number	Adapter material	For tube set	Price
KH-07070-03 KH-07070-02 KH-07071-71	Carbon steel PP Carbon steel	1 $\frac{1}{16}$ " OD 1 $\frac{1}{16}$ " OD 2" OD	

Container Clips

Catalog number	Material	Price
KH-07070-15 KH-07070-14	PP Aluminum	

Container Clamps (not shown)

Catalog number	For tube set	Price
KH-07070-16 KH-07070-17	1 $\frac{1}{16}$ " OD 2" OD	

Wall Bracket

Catalog number	Description	Price
KH-07070-08	Wall bracket	

Suction Strainers

Catalog number	Material	For tube set	Price
KH-07070-04 KH-07070-07	SS PP	1 $\frac{1}{16}$ " OD 1 $\frac{1}{16}$ " OD	

Add these options

- Hose.....ColeParmer.com
- Tubing.....1845-1882

D Sanitary Tube Sets. Completely disassemble, clean, and re-assemble these stainless steel tube sets in 10 minutes or less!

Centrifugal Tube Sets are ideal for low-viscosity liquids such as wines, flavorings, perfumes, and sauces. Sets handle viscosities up to 1200 cp. Order a 1/2-hp motor.

Progressive-Cavity Tube Sets transfer medium consistency liquids such as liquid chocolate, syrup, concentrates, lotions, and shampoos. Sets handle viscosities up to 100,000 cp. They require a 1 $\frac{1}{2}$ -hp or larger motor to achieve the maximum flow rate.

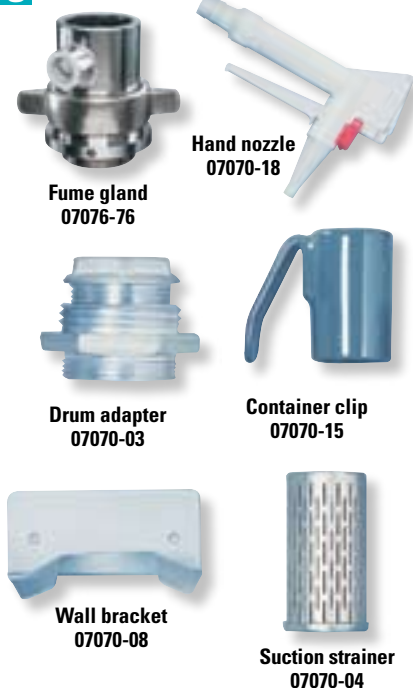
Centrifugal tube set 70603-00

**Specifications & Ordering Information****Wetted materials**

Centrifugal tube sets: 316 stainless steel, Tefzel® impeller, and a 1 $\frac{1}{2}$ " 316 SS/Tefzel Tri-Clamp® connection
Progressive-cavity tube sets: 316 stainless steel, PTFE screw, a 2" 316 SS/PTFE Tri-Clamp connection, and 316 SS/silicone-carbide seal



Catalog number	Tube length	Max flow	Max head	Tube OD	Tube material	Max temp	Price
Centrifugal tube sets for viscosities up to 1200 cp							
KH-70603-00	27"	50 GPM	22 psi	1 $\frac{1}{16}$ "	SS	248°F (120°C)	
KH-70603-02	39"						
KH-70603-04	47"						
Progressive-cavity tube sets for viscosities up to 100,000 cp							
KH-70603-71 KH-70603-73 KH-70603-04	27" 39" 47"	10 GPM	43 psi	2"	SS	248°F (120°C)	

3

Fume gland 07076-76

Hand nozzle 07070-18

Drum adapter 07070-03

Container clip 07070-15

Wall bracket 07070-08

Suction strainer 07070-04

PU Pumps

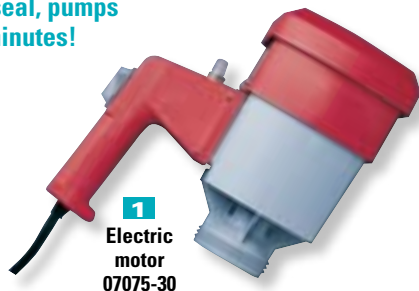
Drum and Hand, Motorized

Intermittent Duty Drum/Container Pumps

With no mechanical seal, pumps can run dry up to 30 minutes!

Required System Components

- 1 Motor
- 2 Tube set
- 3 Accessories



1
Electric motor
07075-30

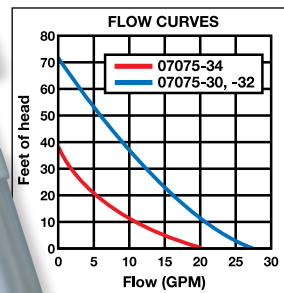


1
Air motor
07075-34



2
Stainless steel tube set
07075-76

2
Kynar® tube set
07075-90



1 Motors

Electric Motor pumps liquids up to 1.8 specific gravity or 3500 SSU. Manual reset circuit breaker switch protects against overheating.

What's included: nylon cover and oil-resistant, 16-ft cord (115 VAC model includes a plug).

Specifications and Ordering Information

Catalog number	Flow (GPM)	Motor type	rpm	Dimensions (L x W x H)	Power (VAC, Hz)	Price
KH-07075-30	27	Open fan-cooled	10,600	10 $\frac{3}{8}$ " x 5" x 5"	115, 60	
KH-07075-32	230, 50					

Air Motor allows for pumping of liquids in areas where electricity is unsafe or unavailable. Order optional grounding wire to dissipate static charges, especially if flammable vapors are present. Protect internal components with the air filter and air lubricator sold separately below.

Specifications and Ordering Information

Catalog number	Flow (GPM)	rpm	cfm at 80 psi	Air inlet		Dimensions (L x W x H)	Price
				Connection	Max psi		
KH-07075-34	20	8000	15	$\frac{1}{8}$ " NPT(F)	90	5 $\frac{1}{4}$ " x 1 $\frac{1}{4}$ " x 5 $\frac{1}{8}$ "	

[KH-07075-56](#) Grounding wire

[KH-98252-00](#) **Air filter/regulator;** $\frac{1}{4}$ " NPT(F) inlet/outlet ports, $\frac{1}{8}$ " NPT(F) gauge port, 0 to 125 psi, 20 μ m (gauge not included)

[KH-07042-70](#) **Air lubricator,** $\frac{1}{4}$ " NPT(F) ports

2 Tube Sets

Sealless construction has permanent vapor barrier. For 55-gallon drums, use 35 $\frac{1}{2}$ " tube length. Order either Tygon® or vinyl 1" ID discharge tubing from pages 2167–2217. Secure with 06403-40 hose clamp below.

Specifications and Ordering Information

Maximum temperature

Polypropylene (PP) models: 130°F (55°C)

Kynar® models: 165°F (74°C)

316 stainless steel (SS) models: 200°F (93°C)

Catalog number	Tube length	Tube OD	Outlet connection	Tube material	Wetted materials	Price
KH-07075-70	27"	2"	1" OD hose barb	PP	PP, Tefzel®, Viton®, and Carpenter 20 steel	
KH-07075-72	35 $\frac{1}{2}$ "					
KH-07075-73	40"					
KH-07075-74	47"					
KH-07075-90	27"	2"	1" OD hose barb	Kynar	Kynar, Tefzel, Hastelloy C®, and PTFE	
KH-07075-92	35 $\frac{1}{2}$ "					
KH-07075-93	40"					
KH-07075-94	47"					
KH-07075-76	27"	2"	1" OD hose barb	316 SS	316 SS, Tefzel, and PTFE	
KH-07075-78	35 $\frac{1}{2}$ "					
KH-07075-79	40"					
KH-07075-80	47"					

3 Accessories



Adjustable nozzle
07075-51

Barrel adapter
07075-52

Strainer 07075-53

Wall-mount bracket
07075-55

Hose clamp
06403-40

3 Accessories

Adjustable Flow Nozzle controls flow rate and prevents splashing. Includes $\frac{3}{4}$ " hose barb fitting. Wetted parts: PP, Viton, and 316 SS.

[KH-07075-51](#) **Adjustable flow nozzle**

Barrel Adapter secures pump and tube set to drum.

[KH-07075-52](#) **Barrel adapter,** polypropylene

Strainer ($\frac{3}{4}$ " x $\frac{5}{64}$ " slotted mesh) is ideal for pumping fluids containing dirt or abrasives.

[KH-07075-53](#) **Strainer,** polypropylene

[KH-07075-54](#) **Strainer,** Tefzel

Wall-Mount Bracket keeps pump out of your way when not in use. Materials of construction: $\frac{1}{8}$ " steel with polyurethane coating.

[KH-07075-55](#) **Wall-mount bracket**

Hose Clamp tightly connects $\frac{13}{16}$ " to 1 $\frac{1}{2}$ " OD tubing to tube sets and accessories.

[KH-06403-40](#) **Hose clamp,** stainless steel. Box of 10

Drum and Hand, Wrenches / Accessories

Drum and Tote Wrenches

Easily tighten or remove drum caps

Use these drum wrenches to easily tighten or remove drum caps. The 70607-95 is designed for use with large containers and drums with 2" standard, buttress and 3/4" bung plugs. The 70607-97 is designed for containers with 63 mm caps. While the 70607-99 is designed for those drums that have a 70 mm cap. All wrenches are made of fiberglass-reinforced nylon. The wrenches are strong but lightweight and easy to carry. Measure 10" long.

Specifications & Ordering Information

Catalog number	Description	Material	Price
KH-70607-95	Drum wrench	Fiberglass reinforced nylon	
KH-70607-97	63-mm tote wrench		
KH-70607-99	70-mm tote wrench		



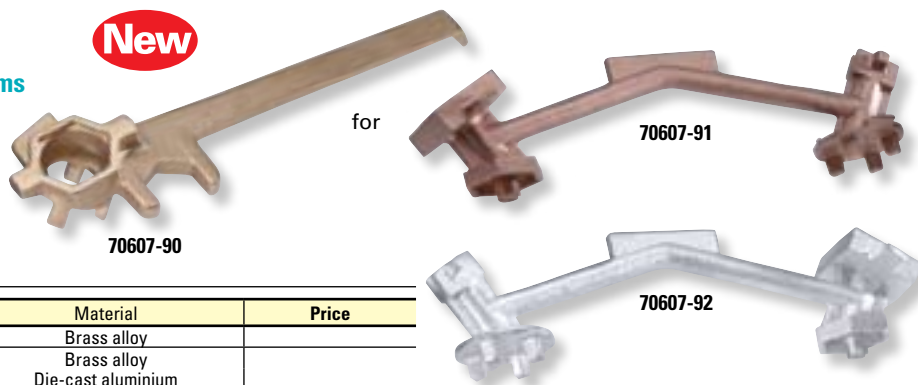
Metal Drum Wrenches

Remove or tighten plugs on most industrial drums

- Use the nonsparking bronze models opening drums containing flammables
- More corrosion resistant than steel versions

Specifications & Ordering Information

Catalog number	Description	Material	Price
KH-70607-90	Standard drum wrench	Brass alloy	
KH-70607-91	Universal drum wrench	Brass alloy	
KH-70607-92		Die-cast aluminium	



Drip Sentinel™ Drum-Top Workstation™

Save the liquids that are routinely lost during the dispensing process

- Designed for use with 55-gallon steel drums
- Stainless steel mesh strainer allows debris-free liquid back into the drum
- Works with all types of rotary drum pumps

This durable, noncorrosive, chemical-resistant polyethylene unit is easy to install and use. Measures 24"OD x 20" ID; 23/4" exterior height, 2" interior height.

79012-99
Pump sold separately



Specifications & Ordering Information

Catalog number	Description	Price
KH-79012-99	Drum-top workstation	

Complete Grease Systems

Self-contained grease kits with compressed air are designed for three popular container sizes

- Include everything you need to hook up an air-powered grease gun
- Designed for three most popular container sizes—40, 120, and 360 lb
- Use trolleys (not shown) to help you easily move containers—ideal for maintenance work

What's included: pump, cover, follower plate, grease gun, 10 ft of hose, swivel, bung adapter.



Specifications & Ordering Information

Catalog number	System size	Price
Grease systems		
KH-79012-80	40 lb	
KH-79012-83	120 lb	
KH-79012-86	360 lb	
Grease trolleys		
KH-79012-88	120 lb	
KH-79012-89	360 lb	

PU Pumps

Fillers

Cole-Parmer

Microplate Dispensing System

A high-throughput filler that is accurate, affordable, flexible, and fast!

- High-speed dispensing—100 μ L per well (96 wells in less than 14 sec)
- Flexible dispensing patterns for single and dual microplate applications
- Handles a wide range of viscous and aggressive liquids

This piston pump dispenser is the answer to the increasing demand for an automated yet affordable dispenser for 96- and 384-well microplates. High accuracy and precision dispensing into deep-well or low-profile microplates, coupled with low dead volume and easy programming, make this microplate filler the ideal solution for virtually all dispensing applications. The liquid path uses completely inert materials—dispense a wide range of solvents, acids, bases, and other aggressive liquids with confidence. Only PTFE, PVDF, glass, and ceramic come in contact with the liquid.

Adjustable pump speed allows performance optimization for a wide viscosity range. Dispense solutions very quickly—in less than 14 seconds for a 96-well plate and less than 20 seconds for a 384-well plate. Easily operate and program this microplate filler to dispense user-selectable volumes, adjust start and stop positions, and omit columns. Customize up to 15 different programs to deliver the dispensing volumes and patterns needed for various applications. Dispense volume range is 5 μ L to 2.5 mL, in 5 μ L increments.

What's included: power cord, dispensing manifold, and accessories.



**Dual plate filler 74904-00
utilizes 96- or 384-well
microplates**

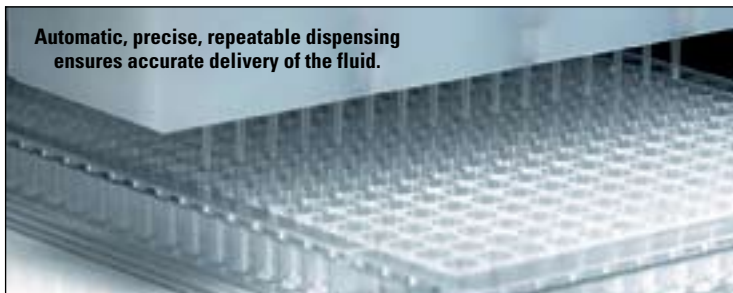
More info

Applications include: Low volume dispensing, protein crystallizations, assay development, primary screening, secondary screening, and compound storage.



**Height-adjustable manifold allows
for dispensing into deep-well or
low-profile microplate wells.**

**Automatic, precise, repeatable dispensing
ensures accurate delivery of the fluid.**



Specifications & Ordering Information



Catalog number	Description	Dispense volume range	Accuracy	Dead volume	Max temperature	Output	Power	Dimensions (W x H x D)	Price
KH-74904-00	Microplate Dispenser	5 μ L to 2.5 mL	\pm 1.5% (mean volume/column)	<2.5 mL	104°F (40°C)	RS-232	85–260 VAC, 47–400 Hz	11¼" x 16½" x 11" (29 x 42 x 28 cm)	

For Microplates, please see the following pages:

Immunology.....818–822
Microbiology.....833
Tissue and Cell Culture.....849–850



For Chilling/Heating/Mixing Blocks, please see page 839



For Microplate Readers and Microplate Washers, please see pages 814–816.



Tabletop Piston Pump Filling Systems

Dispense solutions for small batch filling needs with precise accuracy

- Dispense from <1 to 130 mL
- Maintain high accuracy ($\pm 0.5\%$ or better) with high cycle rate
- Handle a wide range of viscosities

Ideal for repetitive dispensing of free-flowing, semi-viscous, or viscous fluids. A rotating micrometer adjustment volume control is attached to the piston pump. The longer the piston pump stroke, the greater the dispensed volume. The liquid is drawn in during the first 180 degrees of the rotational motion of the micrometer volume control assembly (intake stroke), and dispensed during the second 180 degrees of the rotation (discharge stroke).

Operate the system via footswitch (included with system) or continuous cycle mode. For tabletop fillers 76400-00, -10, and -20, order the optional manual nozzle holder 76500-90 with remote switch for handheld operation.

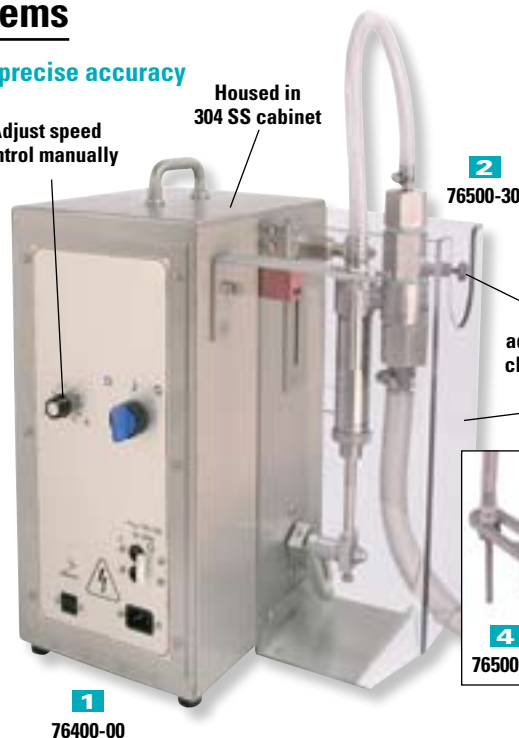
Tabletop filler includes: footswitch and a 6-ft cord with IEC 320 plug.

Pump includes: intake and discharge hoses, and stainless steel nozzle.

Service kit includes: spare O-rings and pump seals.

Adjust speed control manually

Housed in 304 SS cabinet



Required System Components

- 1 Tabletop filler
- 2 Piston pump

Add these options

- 3 Service kit
- 4 Manual nozzle holder with remote switch

Anti-drip adjustment ensures clean, drip-free fills

Protective LEXAN guard



CE
76400-05,
76400-15 only

1 year warranty

Specifications & Ordering Information for Tabletop Fillers

Catalog number	Description	No. of piston pumps accepted	Compatible piston pumps	Liquid viscosity	Fill sizes	Cycle rate*	Power	Price
1 Tabletop fillers								
KH-76400-00	Single-head piston pump tabletop filler	One	76500-00, -10, -20, -30, -60	Free-flowing [†] , semi-viscous**	<1 to 130 mL	3 to 35 fills/minute	110 VAC 220 VAC	
KH-76400-05	Dual-head piston pump tabletop filler	Up to 2	76500-10, -20, -30, -60	Free-flowing [†] , semi-viscous**	<1 to 130 mL	6 to 70 fills/minute	110 VAC	
KH-76400-10							220 VAC	
KH-76400-15	Dual-head piston pump tabletop filler with valve actuator	Up to 2	76500-10, -20, -30, -60 76500-40, -50 (for valve actuated feature)	Semi-viscous**, heavy viscosity ^{††}	<1 to 130 mL	6 to 70 fills/minute	110 VAC	
KH-76400-25[†]							220 VAC	

*Actual dispense rates may vary depending on product, fill volume, and accuracy desired. [†]Tabletop filler 76400-25 is not CE-marked.

Specifications & Ordering Information for Piston Pumps and Service Kits

Accuracy: $\pm 0.5\%$ or better

Wetted materials: stainless steel, silicone, and PTFE

Piston type: stainless steel with O-ring

1 year warranty

Catalog number	Dispensing volume	Liquid viscosity	Intake and discharge valve type	Intake hose	Discharge hose	Nozzle	Price	Catalog number	Price
2 Piston pumps							3 Service kits		
KH-76500-00	0.1 to 1.0 mL	Free-flowing [†]	SS ball check, passively actuated	$\frac{3}{16}$ " ID braid reinforced PVC	$\frac{1}{8}$ " ID braid reinforced PVC	$\frac{1}{16}$ " SS		KH-76500-01	
KH-76500-10	0.3 to 3.0 mL	Free-flowing [†] , semi-viscous**	SS ball check, passively actuated	$\frac{3}{8}$ " ID braid reinforced PVC	$\frac{1}{8}$ " ID braid reinforced PVC	$\frac{1}{8}$ " SS		KH-76500-11	
KH-76500-20	1.5 to 15 mL	Free-flowing [†] , semi-viscous**	SS ball check, passively actuated	$\frac{3}{8}$ " ID braid reinforced PVC	$\frac{3}{16}$ " ID braid reinforced PVC	$\frac{3}{16}$ " SS		KH-76500-21	
KH-76500-30	6.0 to 60 mL	Free-flowing [†] , semi-viscous**	SS ball check, passively actuated	$\frac{3}{4}$ " ID braid reinforced PVC	$\frac{3}{8}$ " ID braid reinforced PVC	$\frac{3}{8}$ " SS		KH-76500-31	
KH-76500-40	1.0 to 10 mL	Semi-viscous**, heavy viscosity ^{††}	Spool valve, air actuated	$\frac{3}{8}$ " ID braid reinforced PVC	$\frac{3}{16}$ " ID braid reinforced PVC	$\frac{3}{16}$ " SS		KH-76500-41	
KH-76500-50	6.0 to 60 mL	Semi-viscous**, heavy viscosity ^{††}	Spool valve, air actuated	$\frac{3}{4}$ " ID braid reinforced PVC	$\frac{3}{8}$ " ID braid reinforced PVC	$\frac{3}{8}$ " SS		KH-76500-51	
KH-76500-60	13.0 to 130 mL	Free-flowing [†]	SS ball check, passively actuated	$\frac{3}{8}$ " ID braid reinforced PVC	$\frac{3}{8}$ " ID braid reinforced PVC	$\frac{3}{8}$ " SS		KH-76500-61	

[†]Free-flowing = aqueous solutions, water-thin reagents

**Semi-viscous = thin oils, conditioner, shampoo, thin syrup, saturated solutions, agar, hand/body lotion

^{††}Heavy viscosity = cream, heavy shampoo, paste, detergent, heavy syrup

4 Manual Nozzle Holder

[KH-76500-90](#) Manual nozzle holder with remote switch. Use only with 110 VAC tabletop fillers

PU Pumps

Fillers

Cole-Parmer Production Scale Filling System

Affordable automated filling for start-up and small scale applications

- Use with benchtop filling dispenser units to automate your container filling
- Improve efficiency compared to manual filling with a single benchtop dispenser
- PLC controls integrate from one to six benchtop dispensers for automated filling

This filler frame features stainless steel construction for durability. Each frame ships flat and is easily assembled with common tools. Use filler frame and controls with any benchtop dispenser with a dispense/copy mode capability. Order communication cables to connect each benchtop filler to the control box. The adjustable nozzle holder brackets handle containers from ½" to 3" in diameter and 1" to 12" in height. Available in 220 VAC versions; call our Application Specialists to order.

What's included: 304 stainless steel frame, PLC control module, nozzle bracket assembly, three adjustable shelves, air cylinder, and four 5" diameter swivel casters with brakes.

Required System Components

- 1 Filler frame with PLC control module..... 1368
- 2 Nozzles..... 1368
- 3 Communications cables..... 1368
- 4 Benchtop filling units... 1228-1298, 1324-1328, 1367, 1371-1378, 1390-1391

Add these options

- 5 Accessories..... 1368



Production filler frame 76600-00

1 Filler Frame with PLC Control Module

Catalog number	Description	Power*	Price
KH-76600-00	Filler frame with PLC control module	110 VAC and 80 psi compressed air at 1 scfm	

*220 VAC versions available; call our Application Specialists to order.

Replacement Parts for Filler Frame

- KH-76603-00** Side frame assembly with casters (two required per filler)
- KH-76603-01** Shelf strut assembly (two required per shelf)
- KH-76603-02** Shelf (one required per shelf)
- KH-76603-03** PLC control box (one required per filler)
- KH-76603-04** Nozzle bracket assembly with nozzle holders (one required per filler)
- KH-76603-05** Nozzle bracket upstream air cylinder (one required per filler)
- KH-76603-06** Nozzle bracket downstream air cylinder (one required per filler)
- KH-76603-07** Swivel caster with brake, 5" diameter

2 Stainless Steel Nozzles

Catalog number	Size	Pump tubing accepted	Fill volume	Price
KH-76601-00	6" L x ¼" OD	L/S [®] 15, 16, 25	5 to 30 mL	
KH-76601-01	6" L x ¼" OD	L/S 17, 24; I/P [®] 26	10 to 100 mL	
KH-76601-02	6" L x ⅜" OD	L/S 18, 35, 36; I/P 70, 73	30 to 500 mL	
KH-76601-03	6" L x ½" OD	I/P 82, 88	100 to 1000 mL	

3 Communications Cables

Use cables for connecting Masterflex[®] and piston pump benchtop fillers to the PLC control module.

Cat. no.	Description	Price
KH-76602-02	DB15/DB25, general cable for standard L/S and I/P drives	
KH-76602-03	Pin/DB25 for L/S and I/P stainless steel process drives	
KH-76602-04	Cable for piston pump drives	

4 Benchtop Filling Units

Each benchtop filling unit must consist of a pump, tubing, and drive. You can connect up to six units; a communications cable is required for each filling unit. See page 1370 for three Cole-Parmer suggested systems. Also see pages 1228-1298, 1324-1328, 1367, 1371-1378, and 1390-1391 for additional choices of filling units.

5 Accessories

KH-76604-00 Flat belt conveyor; 110 VAC. White PVC belt, anodized aluminum frame, adjustable fences, mounting brackets, and variable speed controls

KH-07595-40 Foot switch; DB9 male connector

KH-76604-10 Infeed/outfeed container loading/unloading tray; stainless steel

GO to page(s) 1369

For how to build your Cole-Parmer production scale filling system.

See next page...

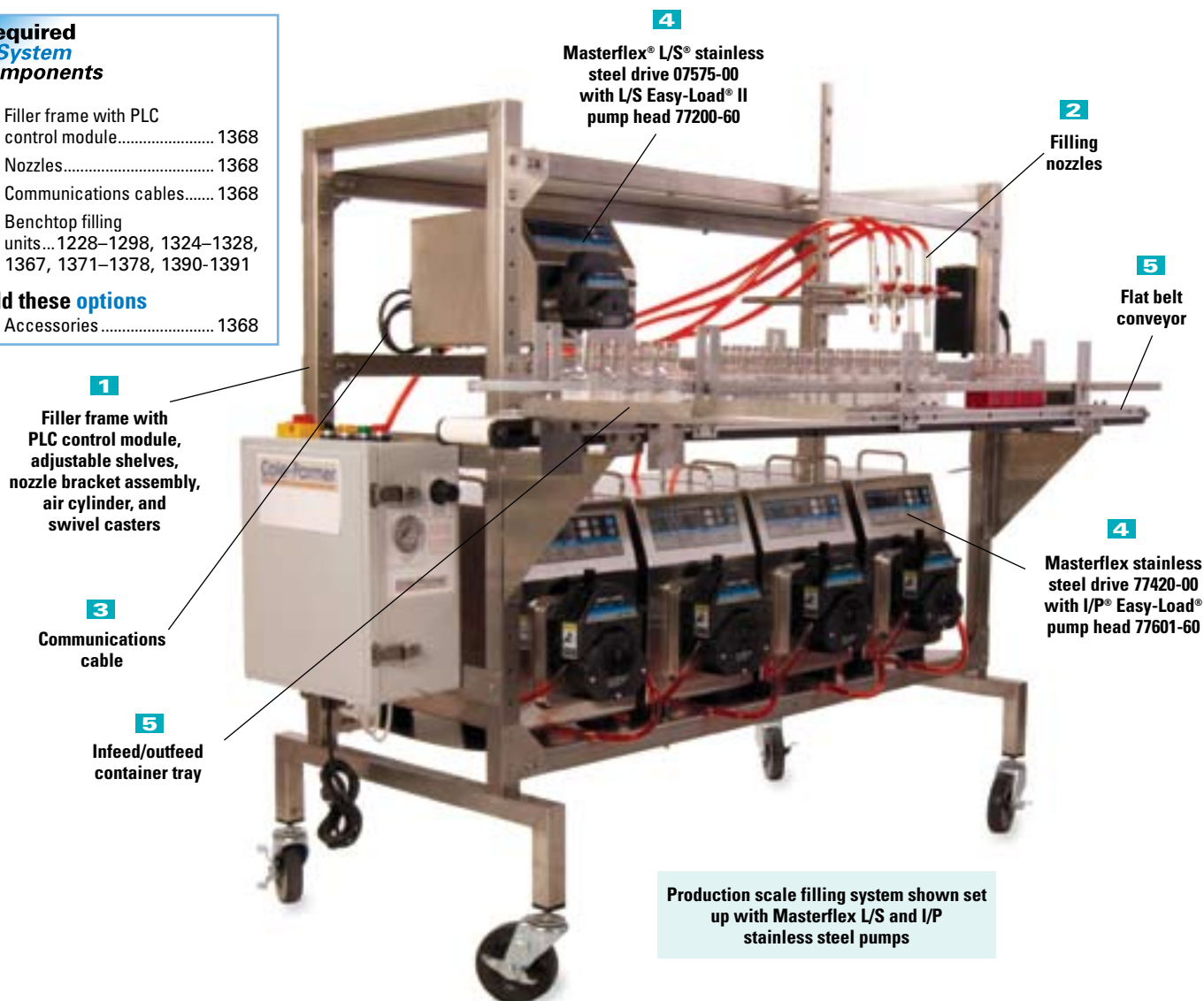
How to Build Your Cole-Parmer® Production Scale Filling System

Required System Components

- 1** Filler frame with PLC control module..... 1368
- 2** Nozzles..... 1368
- 3** Communications cables..... 1368
- 4** Benchtop filling units... 1228–1298, 1324–1328, 1367, 1371–1378, 1390-1391

Add these options

- 5** Accessories 1368



Production scale filling system shown set up with Masterflex L/S and I/P stainless steel pumps

Use common tools to assemble the filler system frame **1**, including the PLC control module and adjustable shelving.

Based on your desired fill volume, select appropriate nozzle sizes **2**. Center the nozzles over the group of containers to be filled in one cycle by adjusting their height and spacing. Indexing air cylinders hold back the containers to be filled on the conveyor when extended and allow the containers to move when retracted. Spacing between air cylinders is set to capture the number of containers to be filled in one cycle.

Connect benchtop filling units **4** (up to six units) with the appropriate communications cable **3** to the main PLC control module. Plug each filling unit into the 110 VAC power strip on the back of the PLC control module. Connect tubing from the filling units to the nozzles. Connect the liquid supply to the filling units. Filling units will dispense volume automatically when PLC control box is set to "auto".

Mount the optional flat belt conveyor **5** onto the filler frame or use an existing conveyor. Load containers onto conveyor, turn conveyor on, and adjust speed. Press the start button on the PLC control module.

The upstream air cylinder retracts, allowing the containers to file under the nozzles. After a user-selected time interval, the upstream air cylinder extends. Each of the filling units begin to fill simultaneously. Once the copy/dispense cycle is completed the filling stops. The downstream air cylinder then retracts allowing the filled containers to file down the conveyor. After another user-selected time interval, the downstream air cylinder extends and the upstream cylinder retracts. This cycling repeats until the stop button is pressed.

The operator is responsible for keeping the system supplied with empty containers and stopping the machine when there are an insufficient number of containers under the nozzle. Optional infeed/outfeed container loading/unloading tray **5** mounts to the conveyor to aid in loading and removing containers from the machine. To dispense one shot from each of the nozzles simultaneously, set the controls to "manual" and press either the start button or the optional footswitch **5** (not shown).

GO to page(s) 1370

Cole-Parmer has suggested three filling systems for your convenience.

See next page...

PU Pumps

Fillers

Suggested Cole-Parmer® Production Scale Filling Systems (Continued from pages 1368–1369)

Select the desired benchtop filling system to suit your application needs

We offer a variety of benchtop filling units to use with the filler frame on page 1368. Below you will find three suggested filling systems along with the page location for the specific component. But don't limit yourself to only these suggested choices, also see pages 1228–1298, 1324–1328, 1367, 1371–1378, and 1390–1391 for additional choices of filling units.

Each filling unit requires one communication cable to connect to the PLC control module. Custom cables are available to interface benchtop filling units not listed here; please call our Application Specialists to order.

GO to page(s)

1228–1298, 1324–1328, 1367, 1371–1378, and 1390–1391 for even more choices of filling units to use with the production scale filler frame.



Masterflex L/S
benchtop filling unit
(rear view shown with
communications cables)

Masterflex® L/S® and I/P® Benchtop Filling Units

L/S System contains:

- 1 Filler frame 76600-00 1368
- 2 Nozzle 76601-01 (6"L x ¼" OD) 1368
- 3 Communications cable 76602-02 (DB15/DB25) 1368
- 4 Filling unit
 - L/S Easy-Load® II pump head 77200-62 1232–1233
 - Masterflex Tygon® LFL L/S 24 tubing, 06429-24, 25 ft/pk 1247
 - Masterflex L/S standard brushless digital drive 07523-60 1262–1263

I/P System contains:

- 1 Filler frame 76600-00 1368
- 2 Nozzle 76601-02 (6"L x ⅜" OD) 1368
- 3 Communications cable 76602-02 (DB15/DB25) 1368
- 4 Filling unit
 - I/P Easy-Load pump head 77601-10 1279
 - Masterflex Tygon LFL I/P 73 tubing, 06429-73, 25 ft/pk 1281
 - Masterflex I/P digital dispensing drive 07592-20 1292–1293



Masterflex L/S and I/P
benchtop filling unit
(front view)

Masterflex® L/S® and I/P® Stainless Steel Benchtop Filling Units

L/S System contains:

- 1 Filler frame 76600-00 1368
- 2 Nozzle 76601-01 (6"L x ¼" OD) 1368
- 3 Communications cable 76602-03 (pin/DB25) 1368
- 4 Filling unit
 - L/S Easy-Load II pump head 77200-62 1232–1233
 - Masterflex Tygon LFL L/S 24 tubing, 06429-24, 25 ft/pk 1247
 - Masterflex L/S stainless steel digital console drive 07575-00 1268–1269

I/P System contains:

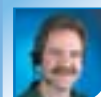
- 1 Filler frame 76600-00 1368
- 2 Nozzle 76601-02 (6"L x ⅜" OD) 1368
- 3 Communications cable 76602-03 (pin/DB25) 1368
- 4 Filling unit
 - I/P Easy-Load pump head 77601-10 1279
 - Masterflex Tygon LFL I/P 73 tubing, 06429-73, 25 ft/pk 1281
 - Masterflex I/P stainless steel digital console drive 77420-00 1294–1295



Piston pump
filling unit
(front view)

Piston Pump Filling Unit

- 1 Filler frame 76600-00 1368
- 2 Nozzle 76601-01 (6"L x ¼" OD) 1368
- 3 Communications cable 76602-04 for piston pump drives 1368
- 4 Filling unit
 - Piston pump 76500-00 1367
 - Tygon® lab tubing 06408-51, ¼" ID x ½" OD, 50 ft/pk 1847
 - Piston pump drive 76400-00 1367



Need some help in setting up your system? Call our Application Specialists for assistance in choosing the required components needed for your filling application.

847-549-7600