

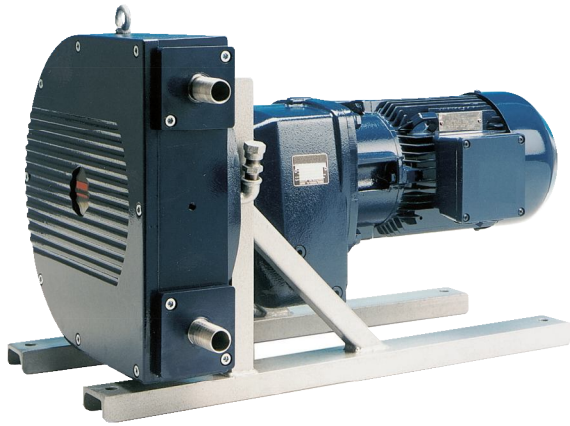
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Flow capacities up to 32 m³/hr
(140 GPM)—easily develop a
discharge pressure up to
15 bar (220 psig)

Product Specifications

Thermo Scientific Ponndorf PK Series Pumps



PK Series Pump

Product Benefits

- Flow capacities up to 32 m³/hr (140 GPM)—easily develop a discharge pressure up to 15 bar (220 psig).
- Multiple hose materials provide compatibility in a wide range of pump applications.
- Reinforced high-pressure hoses.
- Sliding shoe technology combined with a lubricated bath provides a simple, reliable pump mechanism with proven long hose life in continuous operation.
- Adjustable sliding shoes optimize hose compression for long hose life.
- Easy hose replacement without disassembly of the pump.
- Hose connectors are uniquely designed to eliminate multiple parts, yet provide a positive seal capable of holding the maximum pressure ratings.
- Pumps are shipped complete with motor and fixed-speed drive systems ready to install and start.
- Optional drives include mechanical variable speed and inverter variable, or base-shaft pumps only.



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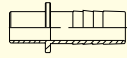
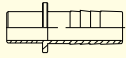
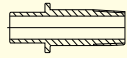
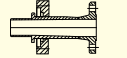
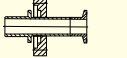
Specifications & Ordering Information

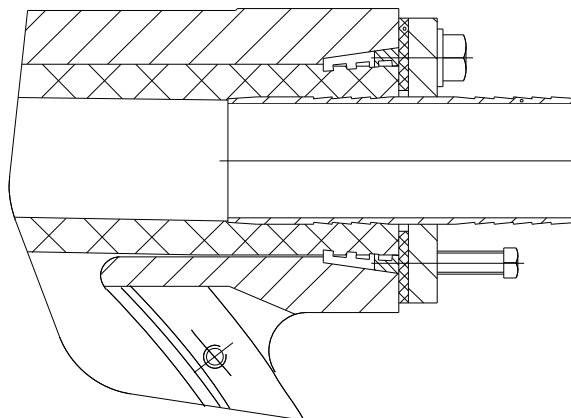
Catalog number	PK15	PK25	PK40	PK50	PK65	
Normal capacity 90 rpm m ³ /hr (GPM)	0.7 (3)	2.1 (9.2)	7.7 (33.9)	15.5 (68)	32 (140)	
Normal capacity 60 rpm m ³ /hr (GPM)	0.25 (1)	1.4 (6.2)	5.1 (22.6)	10.3 (45)	22 (97)	
Hose ID, mm	15	25	40	50	65	
Connection OD, mm	25	31	51	61	67	
Max power, hp (kW)	3/4 (0.56)		3 (2.2)	5 (3)	10 hp(7.5)	15(11.2)
Dimensions (L x W x H), mm (in.)	712 x 155 x 347 (28.0 x 6.10 x 13.7)	973 x 194 x 475 (38.3 x 7.64 x 18.7)	1121 x 300 x 758 (44.1 x 11.8 x 29.8)	1234 x 300 x 842 (48.6 x 11.8 x 33.1)	1472 x 466 x 1040 (58.0 x 18.3 x 40.9)	
Hose material options	Natural rubber, NBR, white, food grade, EPDM					
Construction materials						
Housing	Cast aluminum			Cast iron		
Cover	Cast aluminum			Steel		
Inlet/outlet fittings	316 SS			316 SS		
Compression shoes	Aluminum			Aluminum		
Rotor	Cast aluminum			Cast iron		
Shaft	Stainless steel			Stainless steel		
Bearings	Permanently sealed grease filled ball bearings					
Max rpm	90					
Max temperature (continuous)	60°C (140°F)					
Max temperature (intermittent)	80°C (176°F)					
Max pressure	15 bar (220 psig)					
Max suction height	8 m (26 ft)					
Max viscosity	35,000 cPs (160,000 ssu)					

Optional inlet and outlet connections available include ANSI 150# flanges, Sanitary Tri-Clamp® fittings, and NPT connections.

Note: Connectors and hose must be ordered separately.

Specifications & Ordering Information—Fittings

Pump series										
	Polypropylene		Stainless steel		Stainless steel		Stainless steel		Stainless steel	
	Hose ID (mm)	Cat. no.	Hose ID (mm)	Cat. no.	NPT	Cat. no.	Flange size	Cat. no.	Tri-Clamp size	Cat. no.
PK 15	—	—	20.0	VA-62516	1/2"	VA-62533	1/2"	VA-62532	3/4"	VA-62523
PK 25	—	—	31.0	VA-62616	3/4"	VA-62630	1"	VA-62629	1"	VA-62617
PK 40	—	—	51.0	VA-62716	1"	VA-62732	1 1/2"	VA-62731	1 1/2"	VA-62717
PK 50	—	—	61.0	VA-62816	1 1/2"	VA-62821	2"	VA-62823	2"	VA-62817
PK 65	—	—	67.0	VA-62913	2"	VA-62928	2 1/2"	VA-62927	2 1/2"	VA-62914



Unique compression ring positively holds hose in place and provides full circumference sealing to hold pressure up to 15 bar (220 psig)

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