

Food-grade tubing is ideal for demanding pump applications in food, pharmaceutical, high purity chemicals, and higher temperature applications.

## Thermo Scientific

### Ponndorf

PDX & PDX/2  
Series Pumps



**PDX Series**  
Single-Channel Pump



**PDX/2 Series**  
Dual-Channel Pump

#### Product Benefits

- Metering, transfer, selfpriming, and low-pulsation models.
- Flow capacities are available up to 4.0 m<sup>3</sup>/hr (18 GPM) for single hose and up to 6.7 m<sup>3</sup>/hr (29 GPM) with our unique dual hose design.
- Food-grade tubing is ideal for demanding pump applications in food, pharmaceutical, high purity chemicals, and higher temperature applications.
- Pressure up to 2 bar (30 psig).
- Handles hot fluids up to 130°C (266°F).
- Dry running design provides long tubing life and prevents system contamination should the hose ever rupture.
- Easy maintenance and hose replacement — without disassembly of the pump.
- Flanged tube bed prevents side-to-side movement of hose and improves hose life.
- Pumps are shipped complete with motor and fixed-speed drive systems ready to install and start.
- Optional drives include mechanical variable speed, variable-frequency, hazardous area rate, washdown, chemical duty, and air-operated, or base shaft pumps only.
- Dual hose models (PDX/2) available.



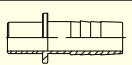
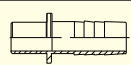
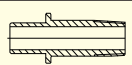
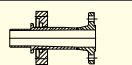
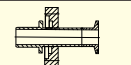
## Specifications & Ordering Information

Catalog Number	PDX 19	PDX 19/2	PDX 30	PDX 30/2	PDX 35	PDX 35/2
Normal capacity 165 rpm m <sup>3</sup> /hr (GPM)	0.5 (2.2)	0.85 (3.7)	2.7 (12)	4.5 (20)	4.0 (18)	6.7 (30)
Normal capacity 100 rpm m <sup>3</sup> /hr (GPM)	0.3 (1.3)	0.5 (2.2)	1.7 (7.5)	2.7 (12)	2.5 (11)	4.0 (18)
Hose ID, mm (in.)	19 (0.75)	19 (0.75)	30 (1.18)	30 (1.18)	30 (1.18)	30 (1.18)
Connection OD, mm (in.)	25 (0.98)	25 (0.98)	33 (1.30)	33 (1.30)	51 (2.0)	51 (2.0)
Max power, hp (kW)	½ (0.37)	1 (0.75)	¾ (0.56)	1½ (1.1)	1½ (1.1)	2 (2.2)
Dimensions (L x W x H), mm (in.)	600 x 300 x 332 (23.62 x 11.81 x 12.68)	600 x 300 x 322 (23.62 x 11.81 x 12.68)	600 x 300 x 446 (23.62 x 11.81 x 17.56)	600 x 300 x 446 (23.62 x 11.81 x 17.56)	860 x 400 x 577 (33.86 x 15.76 x 23.23)	860 x 400 x 577 (33.86 x 15.76 x 23.23)
Est. wt with motor kg (lb)	38 (84)	49 (107)	49 (107)	69 (152)	92 (202)	139 (306)
Construction materials						
Housing	Cast aluminum					
Tube bed	PTFE					
Inlet/outlet fittings	Polypropylene or 316 SS					
Rollers	Carbon-filled PTFE					
Rotor	Cast aluminum					
Shaft	Stainless steel					
Bearings	Permanently sealed grease filled ball bearings					
Hose material options	Food grade Ponnprene—TPE (PP/EPDM)					
Max rpm	165					
Max temperature (continuous)	90°C (194°F)					
Max temperature (intermittent)	130°C (266°F)					
Max pressure	2 bar (30 psig)					
Max suction height	7 m (23 ft)					
Max viscosity	35,000 cPs (160,000 ssu)					

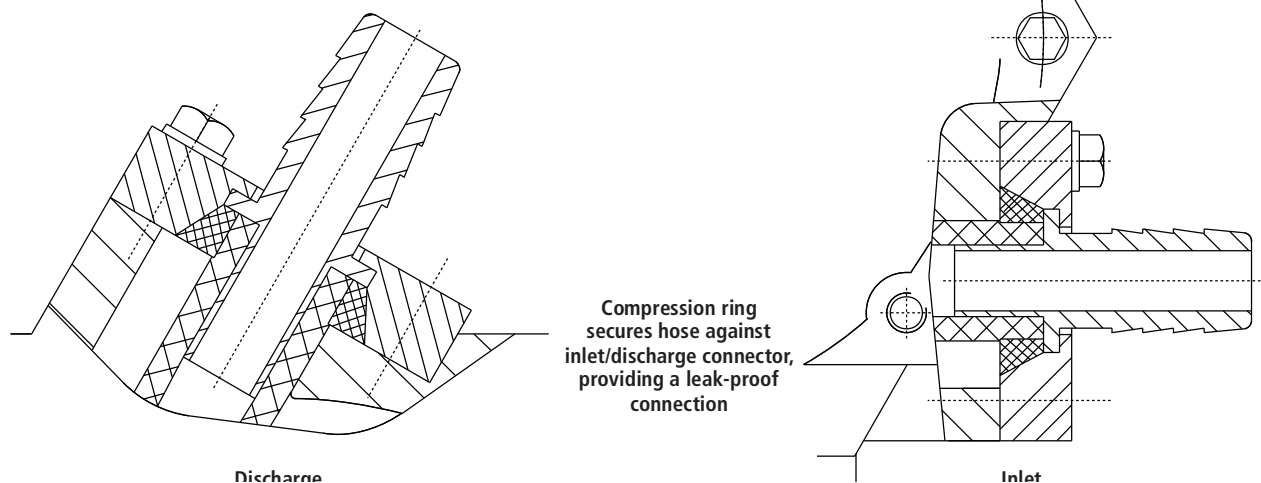
Optional inlet and outlet connections available include ANSI 150# flanges, sanitary Tri-Clamp® fittings, and NPT connections.

**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.
PDX 19 or PDX 19/2	25.2	VA-61810	25.2	VA-61811	½"	VA-61812	½"	VA-61813	½"	VA-61821
PDX 30 or PDX 30/2	33.0	VA-61214	33.0	VA-61215	1"	VA-61216	1"	VA-61621	1"	VA-61921
PDX 35 or PDX 35/2	51.0	VA-62010	51.0	VA-62011	1½"	VA-62012	1½"	VA-62013	1½"	VA-62021

\*ANSI 150# flange



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