

Water-Glycol Pumps for Improved Corrosion Resistance



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PF4300-20 Series Pumps

- New stainless steel design
- Single-fluid design eliminates a secondary lubrication oil circuit
- Long life with no cross-fluid contamination
- Vertical or horizontal mounting
- ATEX compliant



**NEW STAINLESS
STEEL DESIGN!**

Dynex PF4300-20 Series pumps with NEW stainless steel option are functionally and physically interchangeable with standard models. These pumps operate reliably at pressures to 15 000 psi (1040 bar) with a wide range of water-based control fluids.

Only the system fluid is required for internal lubrication in this single-fluid design. The result is long life with low-cost operation on wellhead control systems around the world.

DYNEX
High Pressure Hydraulics

PF4300 Series Pumps Operate Reliably at Pressures to 15000 psi (1040 bar)

Single-Fluid Design for Reduced Maintenance

PF4300 Series pumps provide reliable, lower-cost operation on wellhead control systems around the world.

Only the system fluid is required for internal lubrication in this single-fluid pump design. This design eliminates the cost of a secondary lubrication circuit and regular maintenance.

Installation is simplified, requiring less space with reduced labor, fewer components and lower piping cost.

Specifications

Pump Model	Output Flow at 1200 rpm ^①		Output Flow at 1500 rpm ^①		Output Flow at 1800 rpm ^①		Maximum Pressure		Maximum Speed rpm
	U.S. gpm	L/min	U.S. gpm	L/min	U.S. gpm	L/min	psi	bar	
PF4303	1.5	5,6	1.8	6,9	2.2	8,3	8000	560	1800
PF4304	2.1	8,1	2.7	10,1	3.2	12,1	8000	560	1800
PF4305	2.5	9,3	3.1	11,7	3.7	14,0	8000	560	1800
PF4306	3.1	11,6	3.8	14,5	4.6	17,4	8000	560	1800
PF4308	3.6	13,6	4.5	17,0	5.4	20,4	8000	560	1800
PF4309	4.0	15,1	5.0	18,9	6.0	22,7	8000	560	1800
PF4310	4.5	17,1	5.7	21,4	6.8	25,7	8000	560	1800
PF4312	5.5	20,7	6.8	25,9	8.2	31,0	8000	560	1800
PF4303H	1.3	4,8	1.6	6,2	2.0	7,5	15 000	1040	1800
PF4304H	2.0	7,6	2.5	9,5	3.1	11,7	12 000	830	1800
PF4305H	2.3	8,9	2.9	11,0	3.6	13,6	10 000	700	1800
PF4306H	2.9	11,1	3.7	13,9	4.4	16,6	10 000	700	1800
PF4308H	3.5	13,2	4.3	16,5	5.3	19,9	10 000	700	1800
PF4309H	3.9	14,7	4.8	18,2	5.9	22,3	10 000	700	1800
PF4310H	4.4	16,7	5.5	21,0	6.7	25,3	10 000	700	1800
PF4312H	5.4	20,4	6.7	25,6	8.1	30,7	10 000	700	1800

^① Output flow based on typical performance using 33 SUS (1,9 cSt) water glycol fluid at maximum pressure with pressurized inlet where required. Contact the sales department for minimum inlet pressure requirements.

These fixed displacement checkball pumps are compatible with a variety of water-based fluids. High pressure capability makes them ideal for off-shore wellhead control systems and other hydraulic applications.

Pump Selection

The table shows specifications for standard pressure models, and for high-pressure "H" option models for use at pressures higher than 8000 psi (560 bar). The "H" option models are available with coned and threaded (Autoclave or Butech) or B.S.P.P. (British Standard Pipe) outlet ports.

Ordering requires a complete model code specifying shaft and outlet port options.

Some models are available with the Split-Flow® option, to supply multiple flows from one pump. Contact the Sales Department for details.

Installation

Mounting is S.A.E. D 4-bolt pattern with 0.25 inch (6,4 mm) pilot engagement. Vertical shaft mounting is possible with a line connected to the bleed port in the pump housing. Contact the sales department for instructions.

Weight (Mass): 116 lb (53 kg).

Special Fluid Operation

Because of the wide range of water-based fluid characteristics, contact the sales department for a review of the application requiring non-mineral oil fluid.

For complete specifications, refer to:
dynexpf4300specs.pdf

www.dynexhydraulics.com



USA Headquarters
770 Capitol Drive
Pewaukee, WI 53072
Tel: 262-691-2222
FAX: 262-691-0312
E-mail: sales@dynexhydraulics.com

Power Units & Systems
54 Nickerson Road
Ashland, MA 01721
Tel: 508-881-5110
FAX: 508-881-6849
E-mail: ashland@dynexhydraulics.com

European Sales
Unit C5 Steel Close, Little End Road,
Eaton Socon, Huntingdon,
Cambs, PE19 8TT United Kingdom
Tel:+44 (0) 1480 213980 FAX:+44 (0) 1480 405662
E-mail: sales@dynexhydraulics.co.uk