

AquFlow®

Series 4000



Hydraulically Actuated Diaphragm Metering Pump (formerly HydroFlo)

Features:

- Flow Capacity up to 3,500 GPH
- Pressure up to 3,500 PSI
- Metering Accuracy of $\pm 1\%$
- 10:1 Turndown via Stroke Length
- Internal Hydraulic Relief Valve
- Modular Design With Multiple Options



Series 4000 Performance Table

AquFlow Model Number	Capacity GPH (LPH)	Pressure PSIG (bars)	Speed (SPM)	Plunger Diameter	Connection (NPT)
GNIT 0744-BC01A	22.6 (85.5)	3,500 (241)	44	7/8"	1-1/4"
GNIT 0770-BC01A	36.0 (136.3)		70		
GNIT 0788-BC01A	45.0 (170.3)		88		
GNIT 0714-BC01A	72.0 (272.5)	2,000 (138)	140	1-1/8"	1-1/4"
GNIT 0944-BC01A	38.5 (145.7)		44		
GNIT 0970-BC01A	61.5 (232.8)		70		
GNIT 0988-BC01A	77.0 (291.5)	1,000 (69)	88	1-9/16"	2-1/2"
GNIT 0914-BC01A	123 (465.6)		140		
GNIT 1344-BC01F	79.5 (300.9)		44		
GNIT 1370-BC01F	126 (477.0)	370 (26)	70	2-1/2"	2-1/2"
GNIT 1388-BC01F	159 (601.9)		88		
GNIT 1314-BC01F	253 (957.7)		140		
GNIT 2044-BC01F	210 (794.9)	295 (20)	44	3"	4"
GNIT 2070-BC01F	335 (1,268.1)		70		
GNIT 2088-BC01F	421 (1,593.7)		88		
GNIT 2014-BC01F	671 (2,540.0)	160 (11)	140	4"	4"
GNIT 2444-BC01H	304 (1,150.8)		44		
GNIT 2470-BC01H	485 (1,835.9)		70		
GNIT 2488-BC01H	609 (2,305.3)	160 (11)	88	4"	4"
GNIT 2414-BC01H	970 (3,671.8)		140		
GNIT 3244-BC01H	554 (2,097.1)		44		
GNIT 3270-BC01H	882 (3,338.7)	160 (11)	70	4"	4"
GNIT 3288-BC01H	1,109 (4,198.0)		88		
GNIT 3214-BC01H	1,765 (6,681.2)		140		

"X" denotes a required material code selection. X=4 for 316 SS, 5 for CA20, 6 for Hast. C, 8 for PVC and A for PVDF. Capacity at 60 Hz and 100 psi.

The AquFlow® Series 4000 is a rugged, compact, hydraulically actuated diaphragm metering pump. The pump is available in simplex or duplex configuration, with independent capacity adjustment for each pumphead.

All drive parts are fully enclosed and operate in an oil bath which minimizes friction and wear while providing protection from harsh environments. A self-compensating hydraulic system assures diaphragm position and eliminates the need for troublesome vacuum breakers and refill valve.

The easy to read micrometer knob enables convenient capacity adjustment between 0-100% while the pump is operating or stopped. In addition to manual control, the pump can be supplied with optional automatic capacity control, making it possible for the pump to control the flow rate in proportion to various process signals. A simple, externally adjustable, internal hydraulic relief valve protects the pump and the process from pump induced overpressure situations.

