

AquFlow®

Series 2000



Hydraulically Actuated Diaphragm Metering Pump (formerly HydroFlo)

Features:

- Design Capacities of 2.95 to 224 GPH
- Discharge Pressures to 1,800 PSIG
- Metering Accuracy of $\pm 1\%$
- 10:1 Turndown via Stroke Length
- Internal Hydraulic Relief Valve
- Modular Design With Multiple Options
- Specifically Matched Accessories



Series 2000 Performance Table

AquFlow Model Number	Capacity GPH (LPH)	Pressure PSIG (bars)	Speed (SPM)	Plunger Diameter	Connection (NPT)
CD3T 0529-XX014	2.95 (11.2)	1,800 (124)	29	5/8"	3/8"
CD3T 0558-XX014	5.90 (22.3)		58		
CD3T 0597-XX014	9.90 (37.5)		97		
CD3T 0512-XX014	11.9 (45.0)		117		
CD3T 0514-XX014	14.3 (54.1)		140		
CD3T 0519-XX014	19.5 (73.8)		191		
CD3T 0629-XX014	4.25 (16.0)	1,000 (69)	29	3/4"	3/8"
CD3T 0658-XX014	8.55 (32.4)		58		
CD3T 0697-XX014	14.3 (54.1)		97		
CD3T 0612-XX014	17.2 (65.1)		117		
CD3T 0614-XX014	20.6 (78.0)		140		
CD3T 0619-XX015	28.1 (106.4)		191		
CD3T 0829-XX014	7.60 (28.8)	360 (25)	29	1"	3/8"
CD3T 0858-XX014	15.2 (57.5)		58		
CD3T 0897-XX014	25.4 (96.1)		97		
CD3T 0812-XX015	30.6 (115.8)		117		1/2"
CD3T 0814-XX015	36.7 (138.9)		140		
CD3T 0819-XX015	50.0 (189.3)		191		
CD3T 1029-XX014	11.8 (44.7)	210 (14)	29	1-1/4"	3/8"
CD3T 1058-XX014	23.7 (89.7)		58		
CD3T 1097-XX018	39.7 (150.3)		97		
CD3T 1012-XX018	47.9 (188.1)		117		
CD3T 1014-XX018	57.3 (216.9)		140		
CD3T 1019-XX018	78.2 (296.0)		191		
CD3T 1229-XX014	17.1 (64.7)	195 (13)	29	1-1/2"	3/8"
CD3T 1258-XX015	34.2 (129.5)		58		
CD3T 1297-XX018	57.2 (216.5)		97		
CD3T 1212-XX018	69.0 (261.2)		117		
CD3T 1214-XX018	82.5 (312.3)		140		
CD3T 1219-XX018	112.0 (424.0)		191		1/2"

"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 2000 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.

AquFlow®

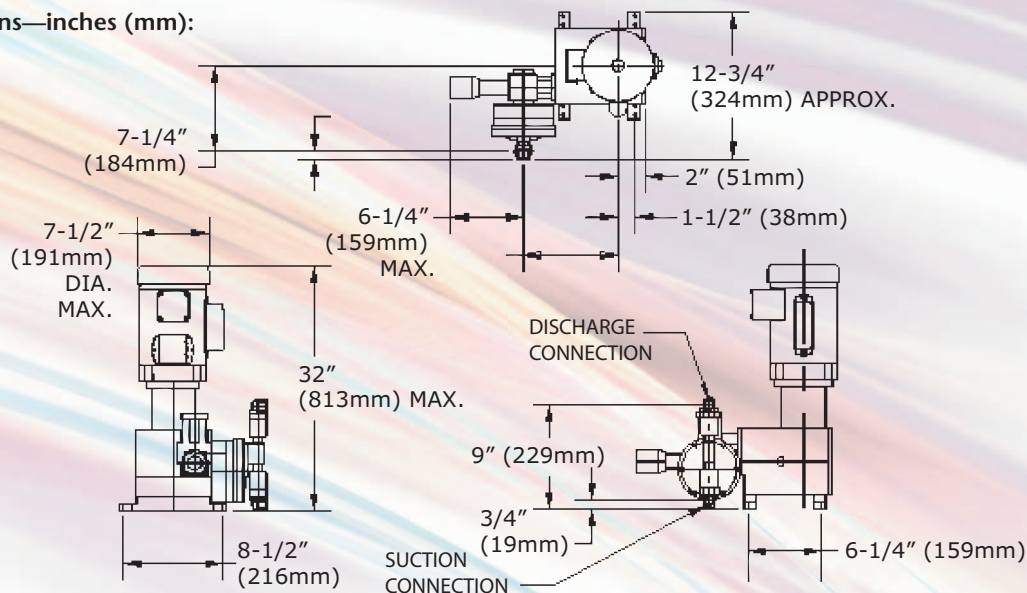
Series 2000

Hydraulically Actuated Diaphragm Metering Pump

Custom Features	Accessories	Motor (Drive) Options
Alternate Diaphragm Materials Automatic Capacity Control - Electronic, Double Diaphragm/Liquid Ends Diaphragm Status Indication Liquid End Jacketing Low NPSHa Liquid Ends Remote Liquid Ends Tubular Diaphragm Liquid Ends - for Slurries	Calibration Columns Pulsation Dampeners HydroDrive™ Variable Speed Drives Back Pressure Valves Safety Relief Valves Injection Assemblies HydroMix™ Agitators HydroTank® Liquid Handling Package	AC - 115 / 230 / 460 Volts, 50 / 60 Hertz, Single or 3 Phase, TEFC, TENV or Explosion Proof DC - 12 / 24 / 90 / 180 Volts, TEFC, TENV or Explosion Proof

Component	Material Options				
Pumphead	316 SS	Alloy 20	Hastelloy® C	PVC	PVDF
Check Valve Body	316 SS	Alloy 20	Hastelloy® C	PVC	PVDF
Check Valve Seat	316 SS	Alloy 20	Hastelloy® C	PVC	PVDF
Check Valve Element	316 SS	Alloy 20	Hastelloy® C	Ceramic	Ceramic
Diaphragm	PTFE	PTFE	PTFE	PTFE	PTFE
Contour Plate	316 SS	Alloy 20	Hastelloy® C	PVC	PVDF
O-Rings	FKM	FKM	FKM	FKM	FKM
Oil Reservoir Cap	304 SS	304 SS	304 SS	304 SS	304 SS
Drive Housing	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum

Dimensions—Inches (mm):



Contact AquFlow / PumPortal for Air Operated Diaphragm, Solenoid, Sanitary and Pharmaceutical pump lines.



17865 Skypark Circle, Unit M | Irvine, CA 92614

T 949.757.1753 | F 949.757.1687 | sales@aquflow.com | www.aquflow.com