



CHEMFLO 2 Hydraulic

1-1/2" x 1" End Suction Centrifugal Pump

Made with high-quality investment cast 316 stainless steel components, the ChemFlo® series of pumps are designed for a wide range of pumping applications where stainless steel is required. The ChemFlo® 2 hydraulic pumps utilize a semi-open impeller design, allowing passage of larger solids compared to similar-sized enclosed impellers. Several mechanical seal options are available, in addition to the standard Type 2100 carbon/ceramic/Viton mechanical seal.

ChemFlo® 2 hydraulic pumps are offered with .22 or .37 cubic inch (3.60 cm³ or 6.06 cm³) displacement SAE port fitting gerotor-type motors, supporting hydraulic flows up to 10 GPM (2.27 m³/h) and a maximum pressure of 2600 PSI (179 bar).

Additional features include:
 Optional case drain for series use with other hydraulic devices.
 Some motors are bi-rotational.

SPECIFICATIONS:

Suction / Discharge	1-1/2" x 1" NPT
Materials of Construction	316 stainless steel
Flow	Up to 150 GPM (34 m ³ /h)
Head Feet	Up to 300' (91 m)
Impeller	5.25" (133.35 mm) semi-open, cast 316 stainless steel
Drive Options	Hydraulic motor .22 cu. in (3.6 cm ³) Hydraulic motor .37 cu. in. (6 cm ³)
Seal	Special seal material combinations available (consult factory), Standard carbon / ceramic / Viton
PSI / bar	Up to 130 PSI / 9 bar
Hydraulic System Pressure	Up to 2600 PSI (179 bar)
Hydraulic Fluid Flow	Up to 10 GPM (2.27 m ³ /h)
Hydraulic Motor	Gerotor, Bi-Rotational, Optional case drain
Options	Hydraulic motors with flow control

Application:

- Agricultural
- Commercial
- Industrial
- Marine
- OEM



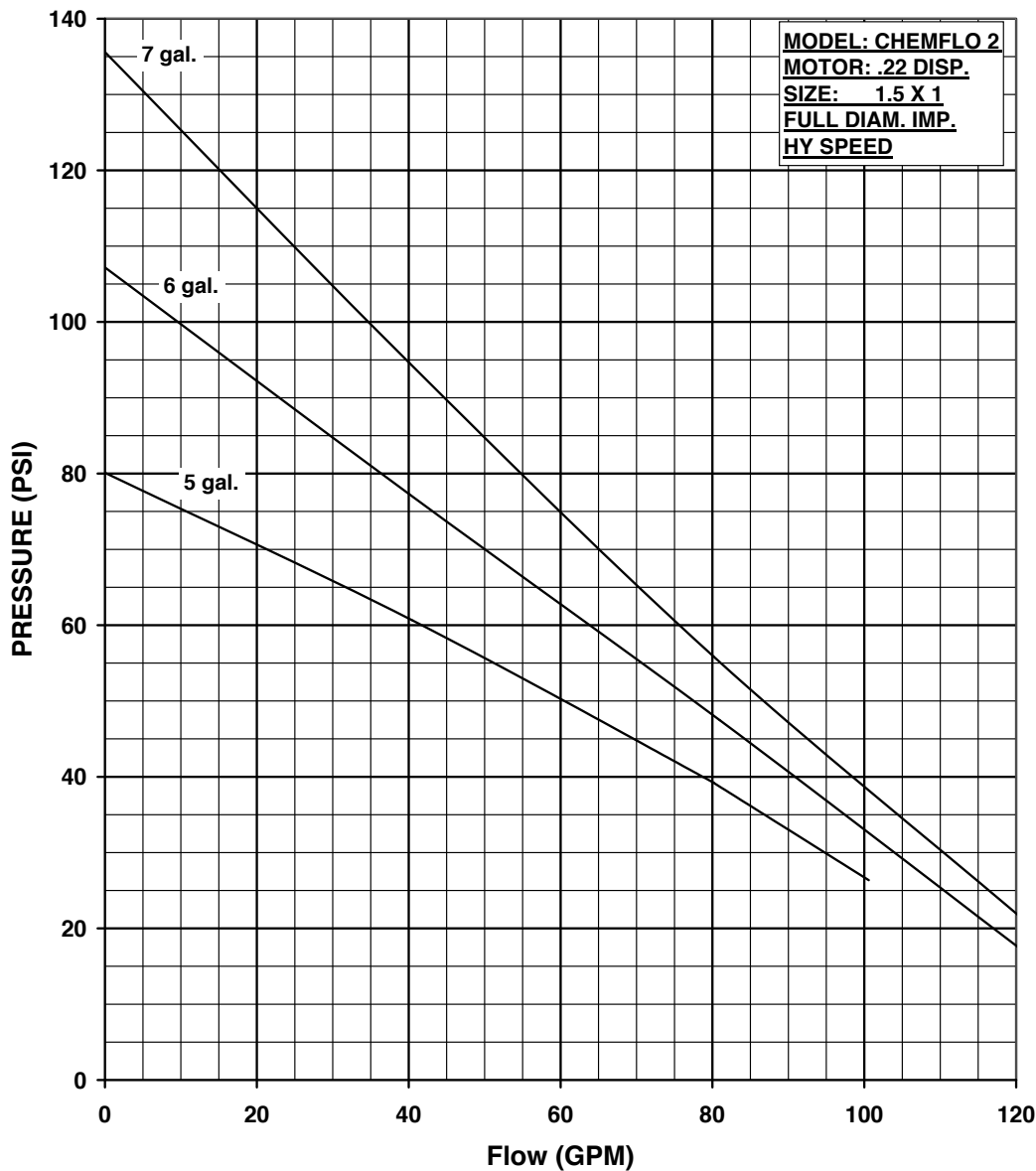
12500 South Pulaski Road
 Alsip, IL 60803, USA
 Phone (800) 563-8006



An Ingersoll Rand Business

CHEMFLO 2 Hydraulic

PERFORMANCE CURVES



OIL FLOW	SHUT OFF	20	40	60	80	100	120	MAX. HYD. OIL PRESS. REQ.
	0 GPM	GPM	GPM	GPM	GPM	GPM	GPM	
5 GPM	80 PSI	71 PSI	61 PSI	50 PSI	39 PSI	32 PSI		2200 PSI
6 GPM	107 PSI	92 PSI	77 PSI	63 PSI	48 PSI	34 PSI	18 PSI	2350 PSI
7 GPM	136 PSI	115 PSI	95 PSI	75 PSI	56 PSI	38 PSI	23 PSI	2600 PSI

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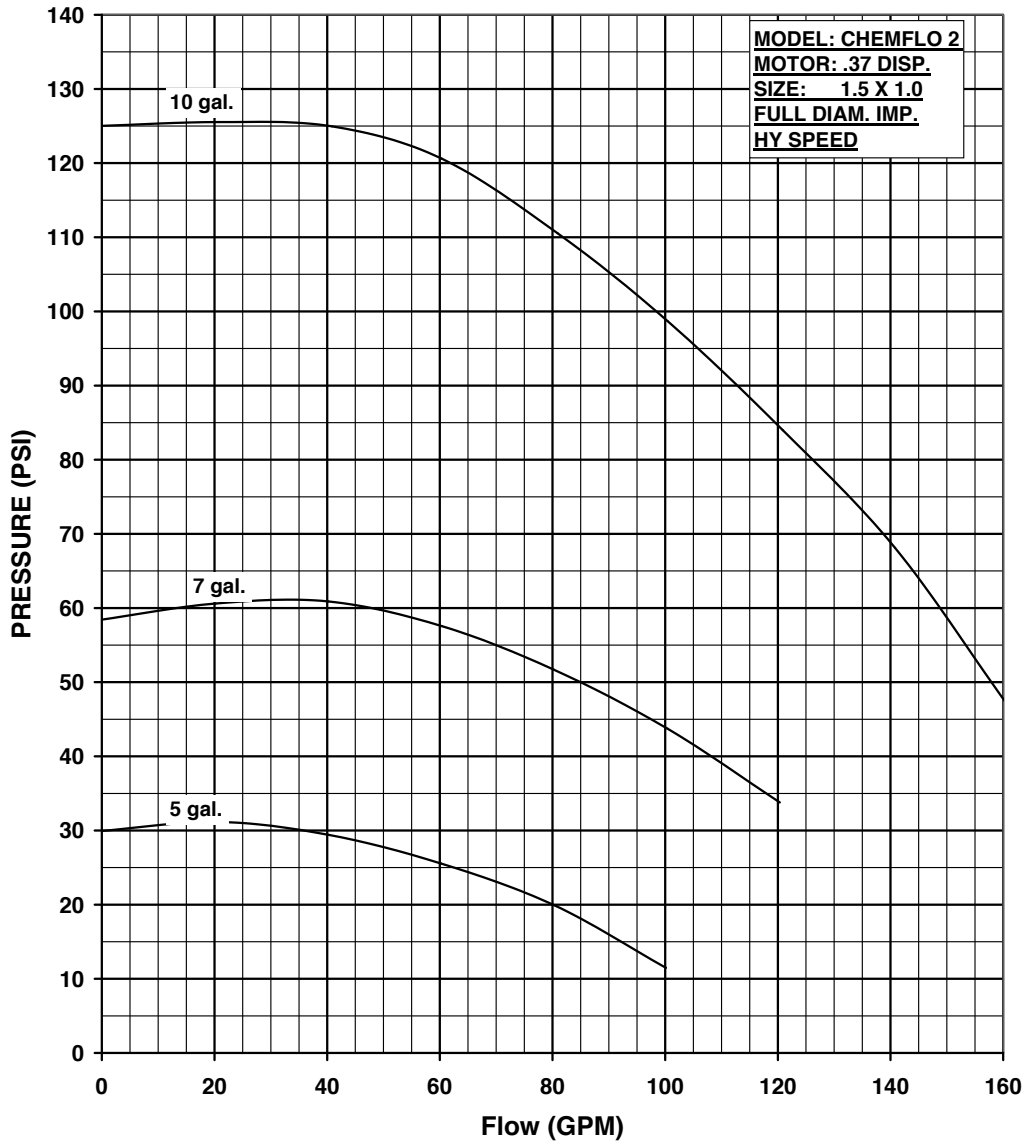
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PERFORMANCE CURVES



OIL FLOW	SHUT OFF	20	40	60	80	100	120	140	160	MAX. HYD. OIL PRESS. REQ.
	0 GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM	
5 GPM	30 PSI	30 PSI	29 PSI	25 PSI	20 PSI	12 PSI				950 PSI
7 GPM	58 PSI	59 PSI	61 PSI	57 PSI	52 PSI	45 PSI	34 PSI			1600 PSI
10 GPM	125 PSI	124 PSI	125 PSI	120 PSI	111 PSI	98 PSI	84 PSI	69 PSI	48 PSI	2600 PSI

CN 7110-S



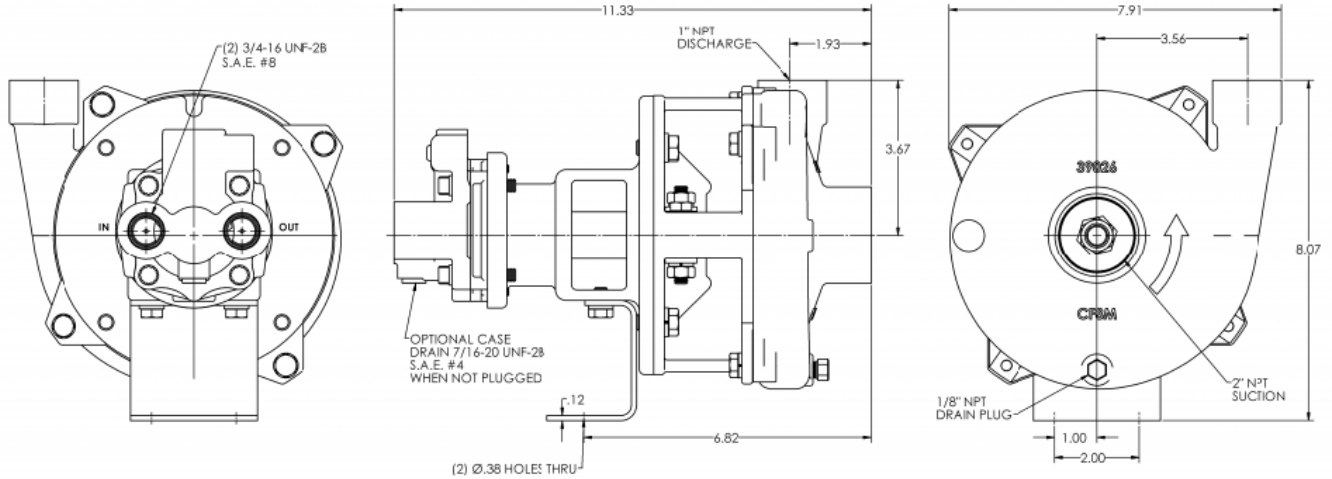
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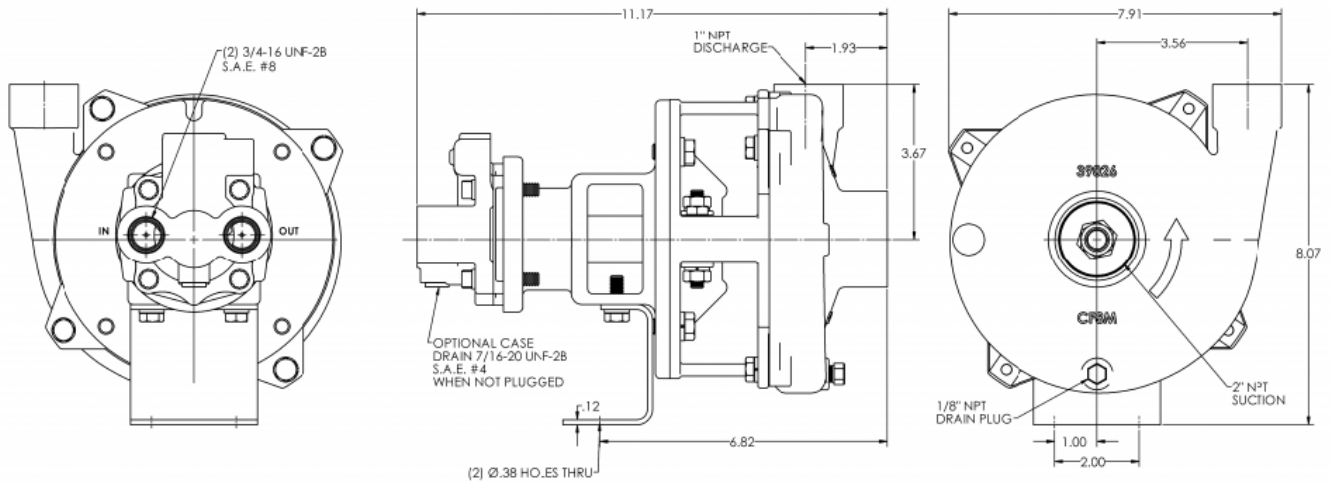
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DIMENSIONS



CF2 .37 DISP MOTOR



CF2 .22 DISP MOTOR

* For complete parts lists and troubleshooting guidance, please refer to the MP Pumps Installation Operation & Maintenance (IOM) Manual.



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