

# CHEMFLO 3 HYDRAULIC

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

Made with high quality investment cast 316 stainless steel components, the ChemFlo® series of pumps are designed to be applied in a wide range of pumping applications where stainless steel is required.

The ChemFlo® 3 hydraulic pumps utilize a semi-open impeller design to allow for passage of larger solid sizes than similar sized enclosed impellers. Several seal options are available in addition to the standard type 2100 carbon / ceramic / Viton mechanical seal.

ChemFlo® 3 hydraulic pumps are offered with .22 or .37 cubic inch displacement gerotor motors for hydraulic flows up to 10 GPM and a maximum pressure of 2500 PSI.

Further expanding the versatility of the ChemFlo® series is the CFB 3 pump, a ChemFlo® 3 in NiBrAl material. All wetted parts are produced in CA 958 nickel aluminum bronze including the drive sleeve to maximize corrosion protection in seawater applications.

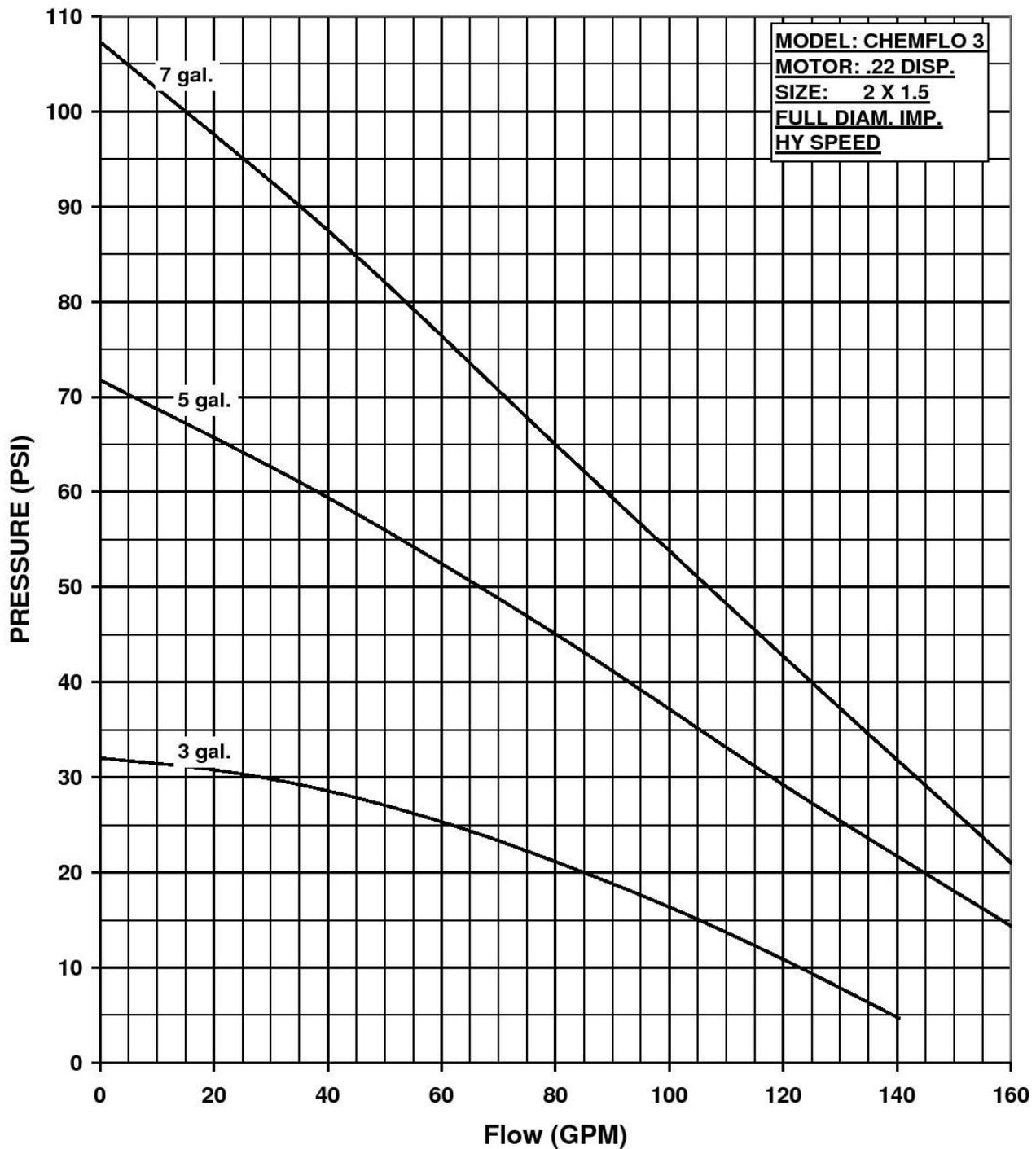
### Application

- Agricultural
- Commercial
- Industrial
- Marine
- OEM

## SPECIFICATIONS:

Suction And Discharge	2" x 1-1/2" NPT
Materials Of Construction	316 stainless steel, CFB (nickel aluminum bronze)
Flow	Up to 240 GPM
Head Feet	Up to 200'
Impeller	5.25" semi-open, cast 316 SS
Drive Options	Hydraulic motor .22 cu. in, Hydraulic motor .37 cu. in.
Seal	Special seal material combinations available (consult factory), Standard carbon / ceramic / Viton
Hydraulic Fluid Flow	Up to 10 GPM
Psi	Up to 105
Hydraulic Motor	Gerotor
Options	Hydraulic motors with flow control
Hydraulic System Pressure	Up to 2600 PSI

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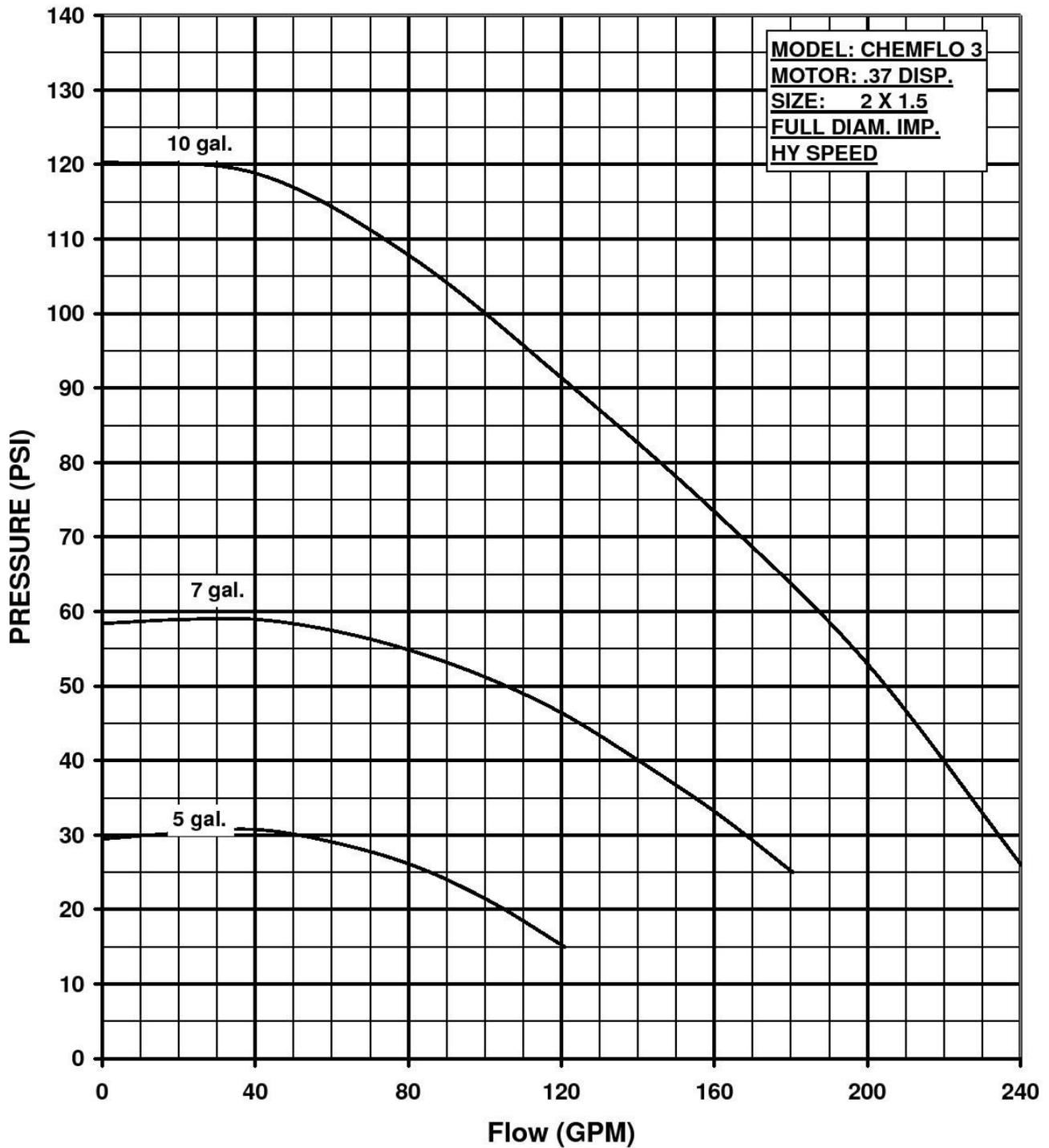
OIL FLOW	SHUT OFF	20	40	60	80	100	120	140	160	MAX. HYD. OIL PRESS. REQ.
	0 GPM									
3 GPM	32 PSI	30 PSI	28 PSI	25 PSI	21 PSI	17 PSI	11 PSI	5 PSI		1600 PSI
5 GPM	72 PSI	66 PSI	59 PSI	52 PSI	44 PSI	37 PSI	28 PSI	22 PSI	15 PSI	2200 PSI
7 GPM	108 PSI	95 PSI	83 PSI	70 PSI	57 PSI	47 PSI	38 PSI	29 PSI	22 PSI	2600 PSI

CN 7114-S



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 (800) 563-8006 - www.mppumps.com

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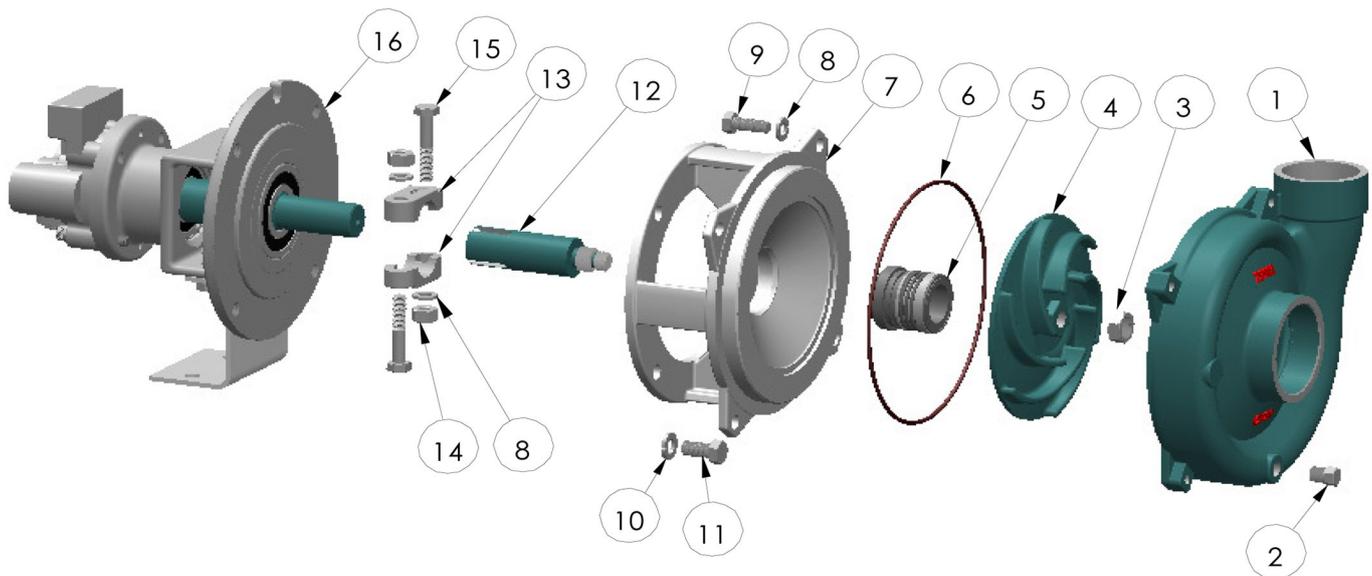


OIL FLOW	SHUT OFF	40	80	120	160	200	240	MAX. HYD OIL PRESS. REQ.
	0 GPM	GPM	GPM	GPM	GPM	GPM	GPM	
5 GPM	29 PSI	28 PSI	24 PSI	15 PSI				950 PSI
7 GPM	59 PSI	59 PSI	55 PSI	47 PSI	33 PSI			1750 PSI
10 GPM	120 PSI	119 PSI	108 PSI	92 PSI	73 PSI	53 PSI	27 PSI	2650 PSI

CN 7111-S

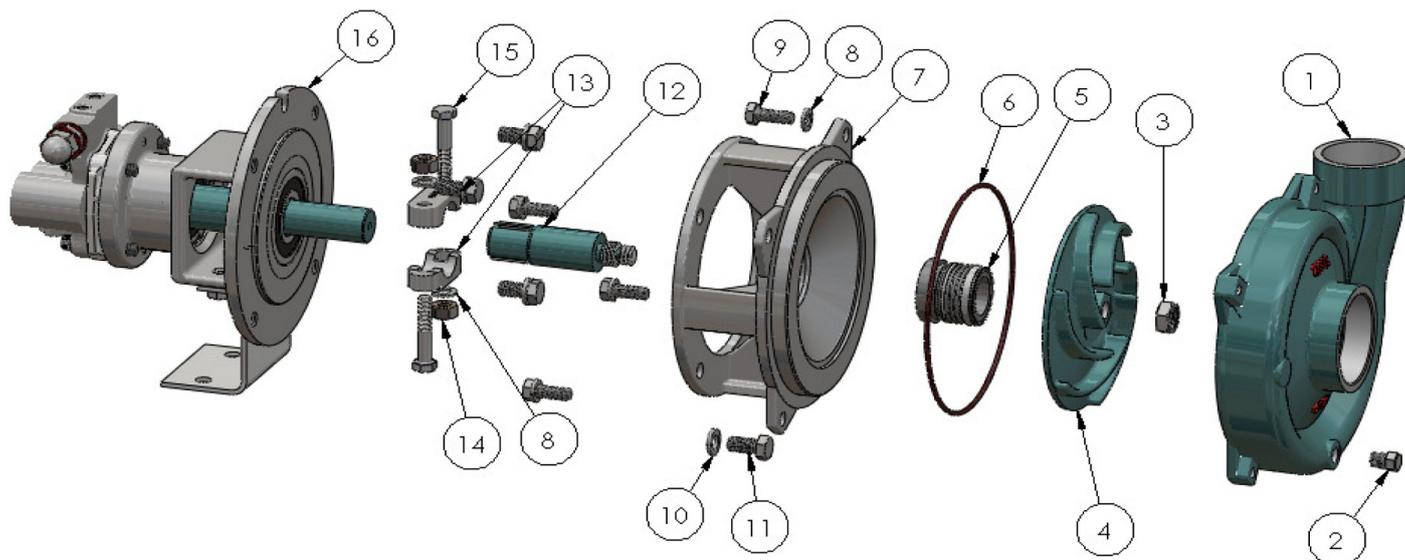


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ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	29904	HOUSING SS- (CHEM 1)	1
2	21255	PIPE PLUG SS- 1/8" NPT	1
3	35599	HEX JAM NUT SS- 1/2"-20	1
4	34208	IMPELLER SS- CHEM 3 (5.25")	1
	34209	IMPELLER SS- CHEM 4 (4.5")	
*	5	22273 SEAL ASSEMBLY- VITON	1
*	6	29715 O-RING- VITON	1
7	33794	ADAPTOR	1
8	21238	LOCK WASHER SS- 5/16"	6
9	21242	CAPSCREW SS- 5/16"-18 X .875"	4
10	21266	LOCK WASHER SS- 3/8"	4
11	25663	CAPSCREW SS- 3/8"-16 X .75"	4
12	35753	DRIVE SLEEVE	1
13	21954	CLAMP- 3/4"	2
14	21284	HEX NUT SS- 5/16"-18	2
15	21264	CAPSCREW SS- 5/16"-18 X 1.75"	2
16	36025	.22 DISP. HS PEDESTAL ASY.	1
	36449	.37 DISP. HS PEDESTAL ASY.	

\*- RECOMMENDED REPLACEMENT PARTS



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	29904	HOUSING SS- (CHEM 3)	1
2	21255	PIPE PLUG SS- 1/8" NPT	1
3	35599	HEX JAM NUT SS- 1/2"-20	1
4	34208	IMPELLER SS- CHEM 3 (5.25")	1
	34209	IMPELLER SS- CHEM 4 (4.5")	
*	5	SEAL ASSEMBLY- VITON	1
*	6	O-RING- VITON	1
7	33794	ADAPTOR	1
8	21238	LOCK WASHER SS- 5/16"	6
9	21242	CAPSCREW SS- 5/16"-18 X .875"	4
10	21266	LOCK WASHER SS- 3/8"	4
11	25663	CAPSCREW SS- 3/8"-16 X .75"	4
12	35753	DRIVE SLEEVE	1
13	21954	CLAMP- 3/4"	2
14	21284	HEX NUT SS- 5/16"-18	2
15	21264	CAPSCREW SS- 5/16"-18 X 1.75"	2
16	36271	.22 DISP. HS PEDESTAL ASY.	1
	36269	.37 DISP. HS PEDESTAL ASY.	

\*- RECOMMENDED REPLACEMENT PARTS