



SERFILCO®

Chemical resistant pumps & filters engineered for industry

BULLETIN
P-310_G
10/16/20
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SERIES 'O' MOLDED VERTICAL PUMPS

RUNS DRY — EFFICIENT AND DEPENDABLE PERFORMANCE FOR:

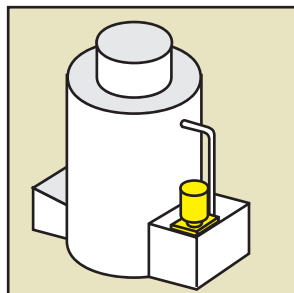


**ACIDS / CAUSTICS / CLEANERS
CHEMICALS / PCB / PLATING
WATER / WASTE WATER**

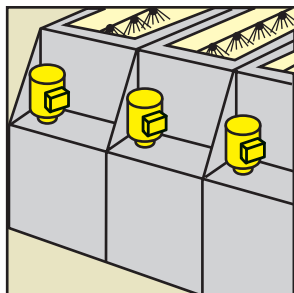
- Flows to 80 U.S. GPM or 68 ft. TDH @ 60 Hz (252 LPM or 14.4m @ 50 Hz)
- Non-metallic solution contact
 - CPVC
 - Polypropylene
 - PVDF
- EPDM or Viton® elastomers
(See Chemical Resistance Chart)
- Runs dry — seal-less, no bearings, bushings, spindles or liners to replace
- Centrifugal — quiet, vibration-free
In-tank or out-of-tank
- Injection molded construction
- Shaft vapor seal protects motor bearings and atmosphere
- Standard 56C motors used on models OL75, OL100, OL125
- Will replace similar OEM pumps

The **Series 'O' Vertical Pump** features a cantilevered sleeved stainless steel shaft which eliminates bearings and seals, resulting in a pump that can run dry without damage. A vapor seal between the rotating shaft and the support column protects the motor. The compound impeller prevents liquid from rising in the column, even at maximum TDH, while the semi-enclosed bottom impeller provides efficient flow performance at low horsepower.

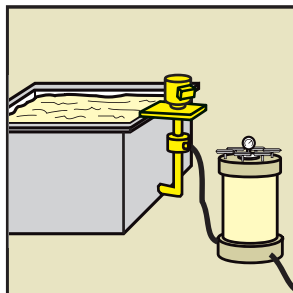
Standard models are injection molded of polypropylene, CPVC or PVDF. All models include mounting plate, vapor seal, Viton suction "O"-ring, stainless steel shaft and fasteners. Available as Pump End Only, or with 3450 RPM 56C TEFC motor. The OL75, OL100 and OL125 pump end only models include shaft and fasteners for standard 56C motors.



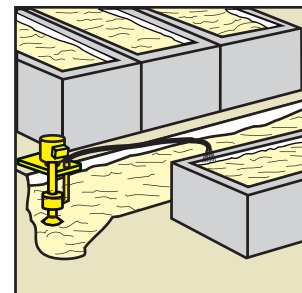
FUME SCRUBBING



PCB WET PROCESSING

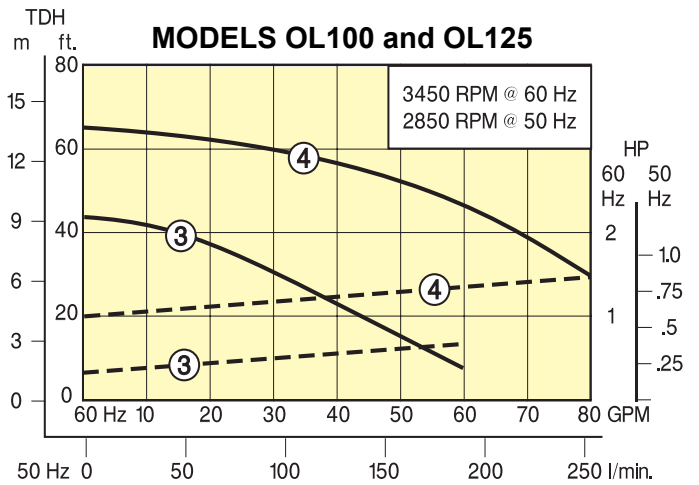
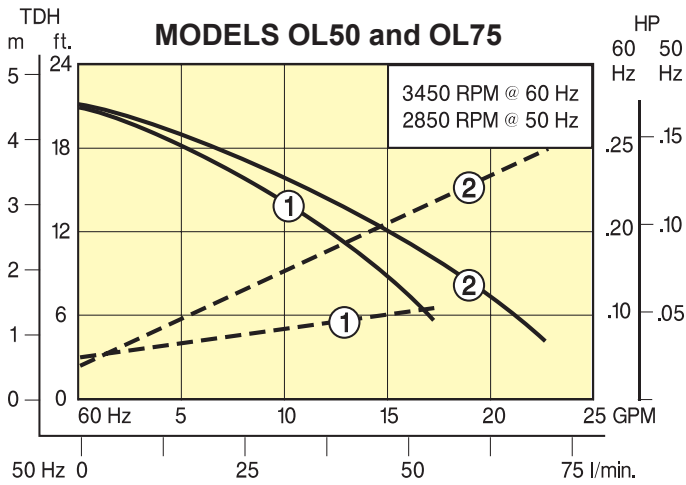


OUT-OF-TANK PUMPING
& FILTRATION



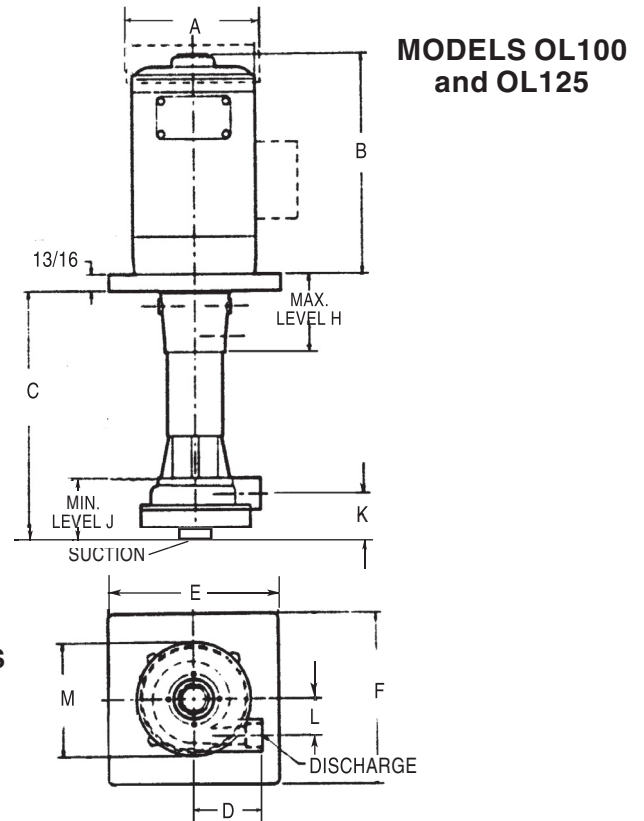
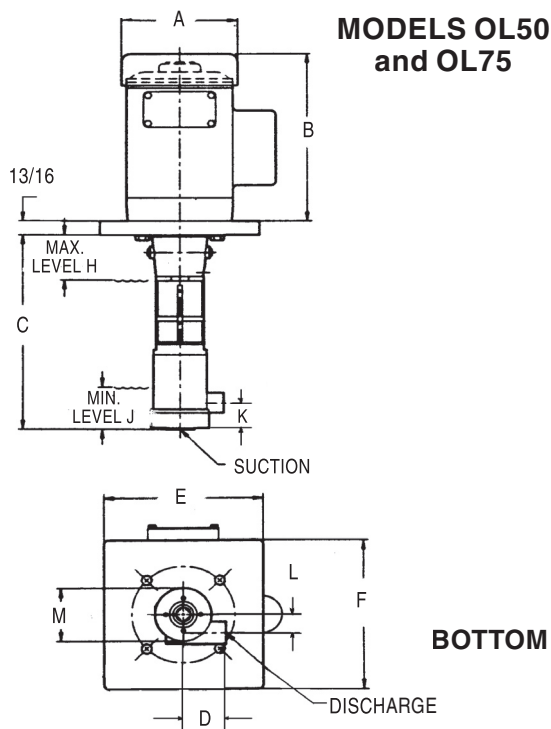
SUMP DRAINING &
WASTE TREATMENT

SERIES 'O' Specifications



LEGEND: HP — — — FLOW — — —

DIMENSIONS (In.)



BOTTOM VIEWS

MODEL	A & B	C	D	E	F	H	J	K	L	M	SUCT. x DISCH.
OL50VCP OL50VPP OL50VPF	See Motor	9-1/2	2	5-1/32	7-27/32	1-1/2	2-1/4	1-9/16	1-1/8	3-5/16	1" x 1/2"
		9-3/8	2	5	7-3/4					3-1/4	
		9-5/16	1-15/16	4-5/16	7-11/16					3-1/4	
OL75VCP OL75VPP OL75VPF	Motor	12-1/2	2-1/2	9	9	3-1/16	2-3/4	1-3/4	1-1/8	3-3/8	1" x 3/4"
		12-3/8	2-7/16	8-7/8	8-7/8					3-11/32	
		12-13/32	2-7/16	8-29/32	8-29/32					3-11/32	
OL100VCP OL100VPP OL100VPF	Dimension Chart	13-1/8	3-1/2	9	9	4-1/8	3-1/4	2-5/16	1-7/8	6-11/32	1-1/4" x 1"
		12-15/16		8-29/32	8-29/32			2-9/32		6-1/4	
		12-29/32		8-29/32	8-29/32			2-1/4		6-5/32	
OL125VCP OL125VPP OL125VPF	Chart	13-3/16	4	9	9	4-1/8	3-5/8	2-5/16	2-5/8	8-1/8	1-1/2" x 1-1/4"
		13-1/16		8-29/32	8-29/32			2-9/32		8	
		12-31/32		8-29/32	8-29/32			2-5/16		7-15/16	

TO ORDER, use Price Code Number**TABLE I Polypropylene, CPVC or PVDF with EPDM elastomers**

FLOW CURVE	MAX. FLOW	POLYPROPYLENE (pump & motor) MODEL	PRICE CODE NUMBER	CPVC (pump & motor) MODEL	PRICE CODE NUMBER	PVDF (pump & motor) MODEL	PRICE CODE NUMBER
1	17	OL50VPP-C.2	39-9111 A	OL50VCP-C.2	39-9112 A	OL50VPF-C.2	39-9113 A
2	23	OL75VPP-C.3	39-9121 B	OL75VCP-C.3	39-9122 B	OL75VPF-C.3	39-9123 B
3	60	OL100VPP-C.75	39-9131 D	OL100VCP-C.75	39-9132 D	OL100VPF-C.75	39-9133 D
4	80	OL125VPP-D1.5	39-9141 M	OL125VCP-D1.5	39-9142 M	OL125VPF-D1.5	39-9143 M

TABLE II Polypropylene, CPVC or PVDF with Viton elastomers

FLOW CURVE	MAX. FLOW	POLYPROPYLENE (pump & motor) MODEL	PRICE CODE NUMBER	CPVC (pump & motor) MODEL	PRICE CODE NUMBER	PVDF (pump & motor) MODEL	PRICE CODE NUMBER
1	17	OV50VPP-C.2	39-9211 A	OV50VCP-C.2	39-9212 A	OV50VPF-C.2	39-9213 A
2	23	OV75VPP-C.3	39-9221 B	OV75VCP-C.3	39-9222 B	OV75VPF-C.3	39-9223 B
3	60	OV100VPP-C.75	39-9231 D	OV100VCP-C.75	39-9232 D	OV100VPF-C.75	39-9233 D
4	80	OV125VPP-D1.5	39-9241 M	OV125VCP-D1.5	39-9242 M	OV125VPF-D1.5	39-9243 M

TABLE III (for other models)

PUMP		ELASTOMER			SIZE			MATERIAL			MOTORS					
MODEL	PRICE CODE NO.	MODEL	PRICE CODE NO.	DESC.	MODEL	PRICE CODE NO.	DESC. S x D (In)	MODEL	PRICE CODE NO.	DESC.	ADDTO		ADDTO		HP	RPM
											MODEL 10	PCN 10	MODEL 30	PCN 30		
O	39-9	L	1	EPDM	50V	1	1 x 1/2	PP	1	PP	-C.2	A	-	-	1/5	3000
		V	2	Viton	75V	2	1 x 3/4	CP	2	CPVC	-C.3	B	-D.3	H	1/3	3450
					100V	3	1 1/4 x 1	PF	3	PVDF	-C.5	C	-D.5	J	1/2	3450
					125V	4	1 1/2 x 1 1/4				-C.75	D	-D.75	K	3/4	3450
											-C1.0	E	-D1.0	L	1.0	3450
											-C1.5	F	-D1.5	M	1.5	3450
											-C2.0	G	-D2.0	N	2.0	3450
											-	-	-D3.0	P	3.0	3450

MOTOR DIMENSION CHART (Inches)

HP	10		30	
	A	B	B	A
.2	4-5/8	6-1/2	—	—
.33	6-3/16	9-5/16	6-3/16	9-5/16
.5	6-3/16	9-5/16	6-3/16	9-5/16
.75	6-3/16	9-15/16	6-3/16	9-5/16
1.0	7-3/16	11-3/16	6-3/16	9-5/16
1.5	7-3/16	11-3/16	6-3/16	9-15/16
2.0	7-3/16	12-1/16	7-3/16	11-3/16
3.0	—	—	7-3/16	11-3/16

GENERAL PRODUCT NOTES:

- Motor dimensions are to be used for reference only. Dimensions will vary by motor and make.
- Model OL50 not for use with 56C motors
- 3.1 is 115-230V/1/60; 3 is 230-460V/3/60.

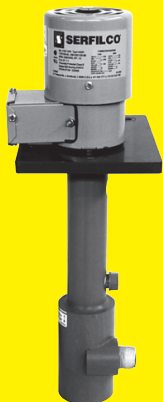


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SERFILCO — the leader in dry run capable plastic vertical pump technology from 4 to 400 GPM.



SERIES 'E'



SERIES 'EO'



SERIES 'EH'



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