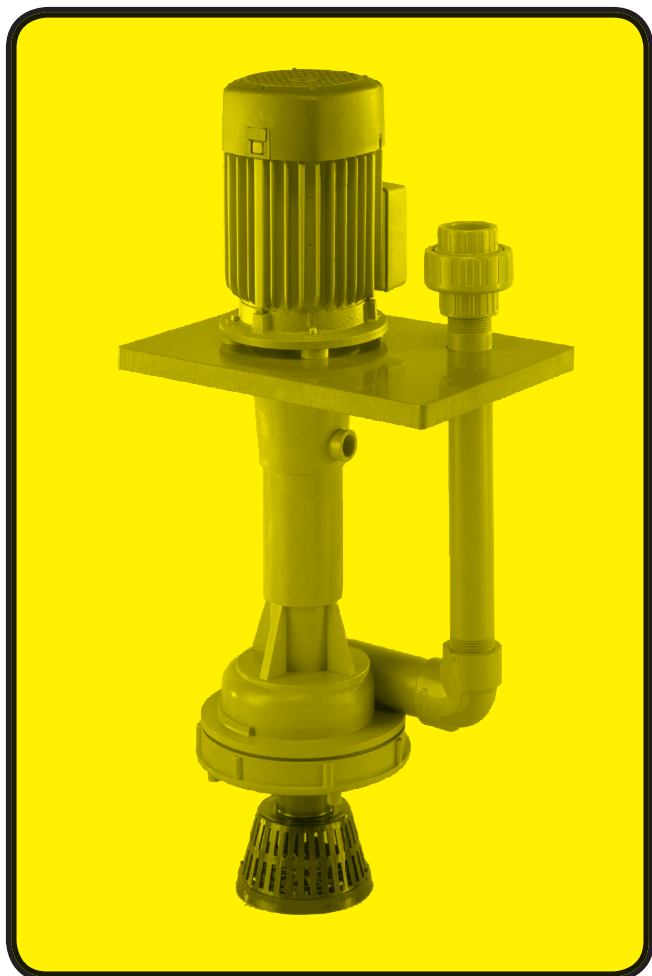




High efficiency and low energy usage for:



**PLATING / WET PROCESSING / ACIDS
CHEMICALS / FUME SCRUBBERS
and CLEANING SOLUTIONS**

- Performance up to 1200 l/min (72 m³/h) and 41 m head (60 psi) pressure
- Non-metallic solution contact
(See a chemical resistance chart)
 - CPVC (Corzan™) construction
w/EPDM "O"-ring — to 82°C
w/optional PVDF impeller — to 93°C
 - Polypropylene construction
w/Viton® "O"-ring — to 82°C
 - PVDF (Kynar®) construction
w/Viton® "O"-ring — to 138°C
- Shaft vapour seal protects motor bearing and atmosphere
- Can run dry indefinitely, seal-less, no bearings
- Chemical duty motors
Sealed oversized bearings, 2-part epoxy chemical resistant paint finish
- Centrifugal — quiet, vibration-free
- In- or out-of-tank installation
- BSP ports / fittings
- Customised mounting plates available — to retrofit to OEM machines
- Stainless steel pumps available

A **SERFILCO Vertical Seal-less pump** features a cantilevered, sleeved, stainless steel shaft with vapour seal between the rotating shaft and the support column to further protect the motor. The cantilevered shaft eliminates bearings and conventional pump seals, resulting in a pump that can run dry without damage. A compound impeller prevents liquid from rising in the column, even at maximum TDH, while the fully-enclosed bottom impeller provides high hydraulic efficiency at low kW.

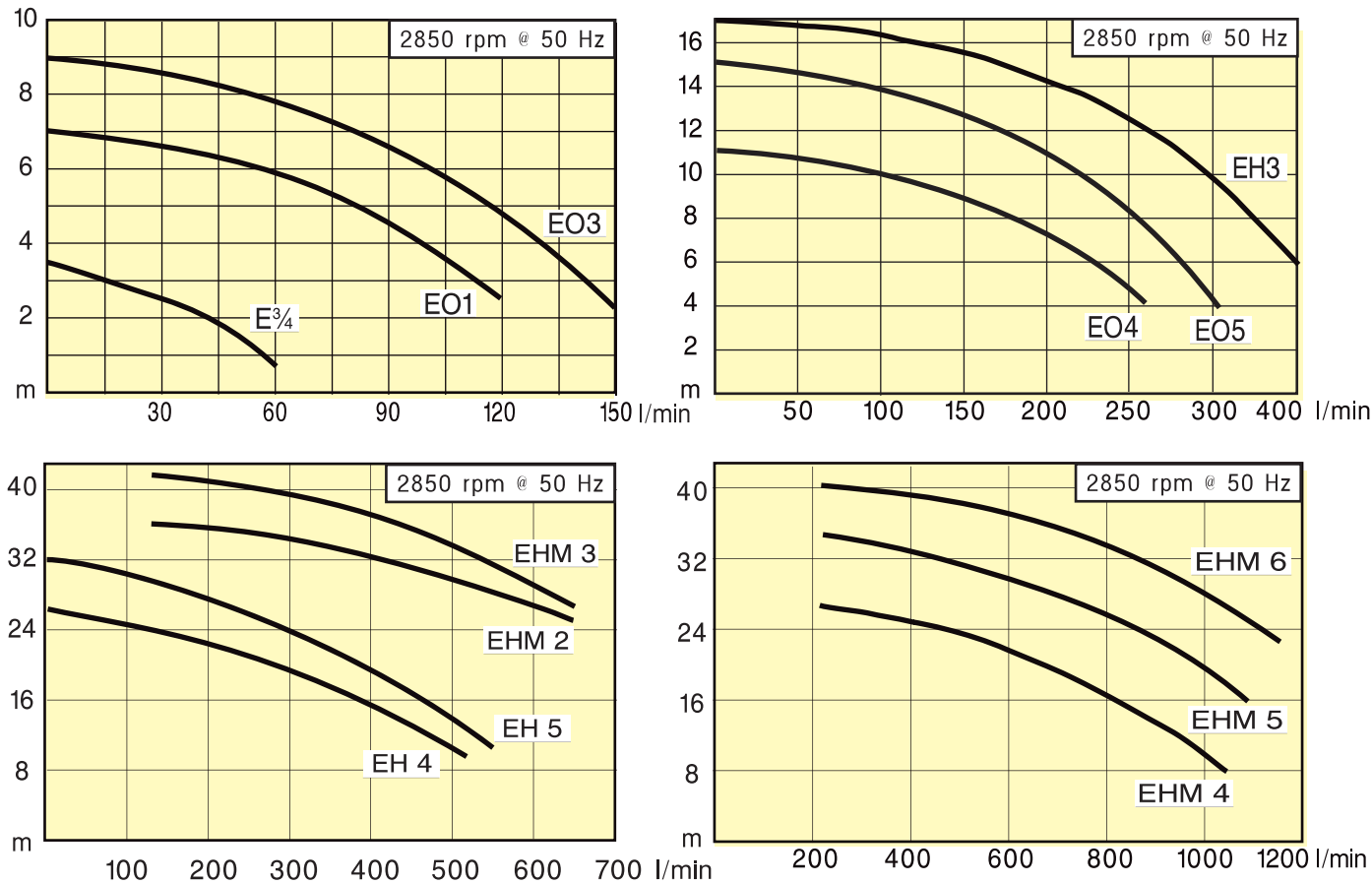
A unique characteristic of all vertical seal-less pumps is their ability to perform on continuous duty as an Automatic Level Control

when an optional suction extension pipe is installed. With the motor energized, the pump will self-prime when liquid is at impeller level. The solution level will then be pumped down to the end of the suction extension. The pump will lose prime, then automatically re-prime when liquid again reaches the impeller.

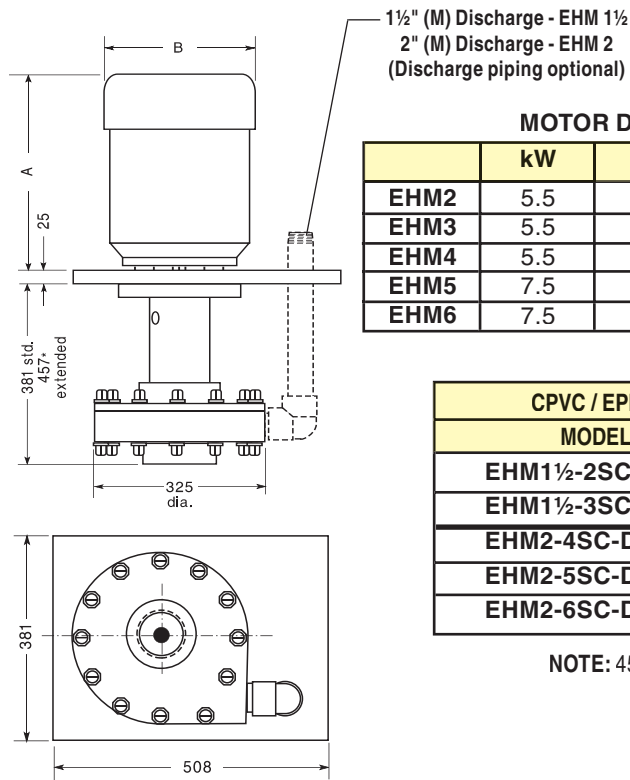
The pump casing can be rotated for choice of discharge direction and flexibility of installation. Discharge pipe assembly, suction extension and suction strainer below the mounting plate are available options.

VERTICAL SEAL-LESS PUMPS Specifications

PERFORMANCE



MODEL EHM



MOTOR DIMENSIONS

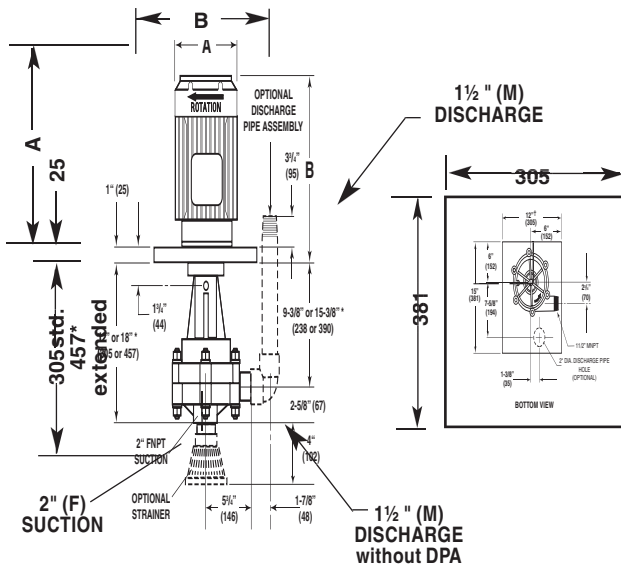
	kW	HP	B	
EHM2	5.5	7 1/2	359 mm	196 mm
EHM3	5.5	7 1/2		
EHM4	5.5	7 1/2		
EHM5	7.5	10		
EHM6	7.5	10		

PUMP	MAX. FLOW	MAX. HEAD
EHM2	600 l/min	36 m
EHM3	600 l/min	41 m
EHM4	1050 l/min	27 m
EHM5	1200 l/min	36 m
EHM6	1200 l/min	40 m

CPVC / EPDM MODEL	PRICE CODE with standard 381 mm column	PRICE CODE with extended 457 mm column
EHM1 1/2-2SC-DM7.5	45-1224M	45-1624M
EHM1 1/2-3SC-DM7.5	45-1234M	45-1634M
EHM2-4SC-DM7.5	45-1544M	45-1744M
EHM2-5SC-DM10.0	45-1555M	45-1755M
EHM2-6SC-DM10.0	45-1565M	45-1765M

NOTE: 457 mm extended length column, available in CPVC only. Add suffix "LX"
Example: EHMLX1 1/2-2SC-DM7.5

VERTICAL SEAL-LESS PUMPS Dimensions (mm)



MODEL EH

MOTOR DIMENSIONS

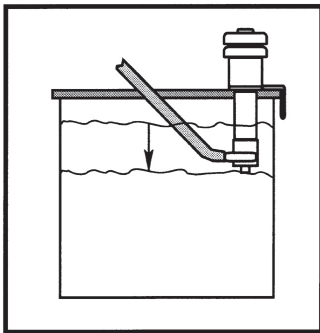
	kW	HP	B	
EH3	1.5	2	234 mm	157 mm
EH4	2.2	4	256 mm	157 mm
EH5	3.0		400 mm	177 mm

NOTE: 457 mm extended length column, available in CPVC only. Add suffix "LX"
Example: EH1½-3SC-DM2.0-B-LX Price Code: 45-0133 MB LX

PUMP	MAX. FLOW	MAX. HEAD
EH3	400 l/min	17 m
EH4	500 l/min	27 m
EH5	550 l/min	32 m

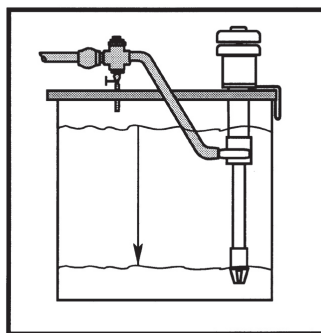
POLYPROPYLENE / VITON		CPVC / EPDM		PVDF / VITON	
MODEL	PRICE CODE	MODEL	PRICE CODE	MODEL	PRICE CODE
EHP1½-3SC DM2.0 -B	45-0633 MB	EH1½-3SC DM2.0 -B	45-0133 MB	EHK1½-3SC DM2.0 -B	45-0733 MB
EHP1½-4SC DM3.0 -B	45-0644 MB	EH1½-4SC DM3.0 -B	45-0144 MB	EHK1½-4SC DM3.0 -B	45-0744 MB
EHP1½-5SC DM4.0 -B	45-0655 MB	EH1½-5SC DM4.0 -B	45-0155 MB	EHK1½-5SC DM4.0 -B	45-0755 MB

SUGGESTED INSTALLATIONS



1. BASIC IN-TANK INSTALLATION

The vertical series may be immersed in the liquid being pumped. No priming is required when the pump discharge port is submerged in liquid.

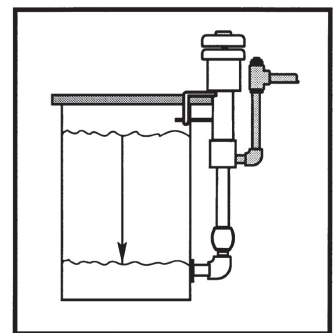


2. IN-TANK WITH SUCTION EXTENSION

Pumps can be used for sump pumping and emptying deeper tanks by adding an extension to the inlet port. With the suction casing immersed, the pump will begin pumping immediately and will pump down to the bottom of the inlet extension.

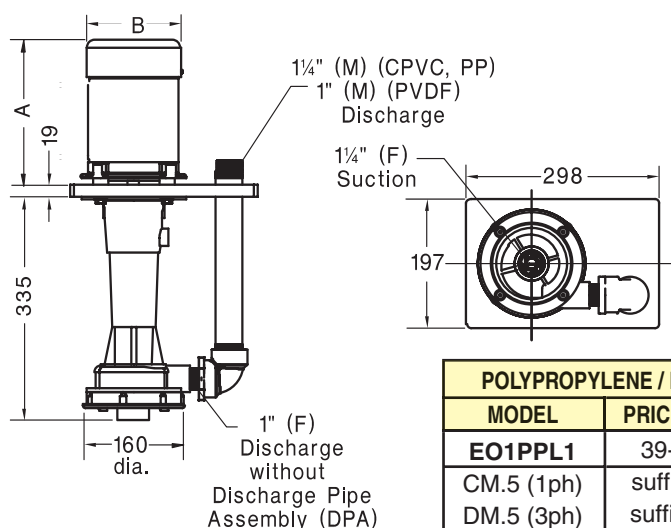
USE OF FOOT VALVE

The installation of a foot valve on the inlet extension enables pump restarting and priming when the tank level is below the pump discharge port. The pump must be immersed to the discharge port or primed with a priming tee on initial start up.



3. OUT-OF-TANK (OR CONTAINER) INSTALLATION

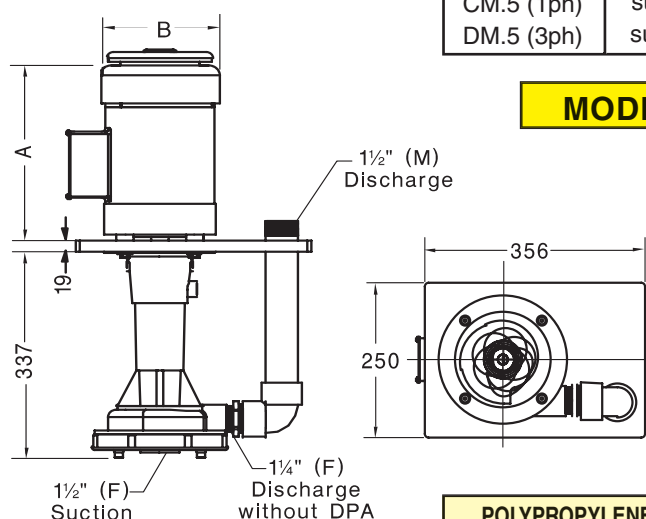
Care must be taken to mount the pump so that the motor is never below the maximum liquid level in the tank. This insures against accidental motor flooding. It is recommended that a drain return line be attached to the vent hole in the pump column and routed back to the tank or container. The return line will allow any inadvertent leakage to drain back into the tank. This mounting is often used where tank space is limited, on fume scrubbers or to isolate the motor from heavy corrosive fumes.

DIMENSIONS (mm)**MODEL EO1 & EO3****MOTOR DIMENSIONS**

PUMP	kW	HP	Phase	A	B
EO1	0.37	1/2	1	—	—
EO3	0.37	1/2	3	186	124

PUMP	MAX. FLOW	MAX. HEAD
EO1	120 l/min	7 m
EO3	150 l/min	9 m

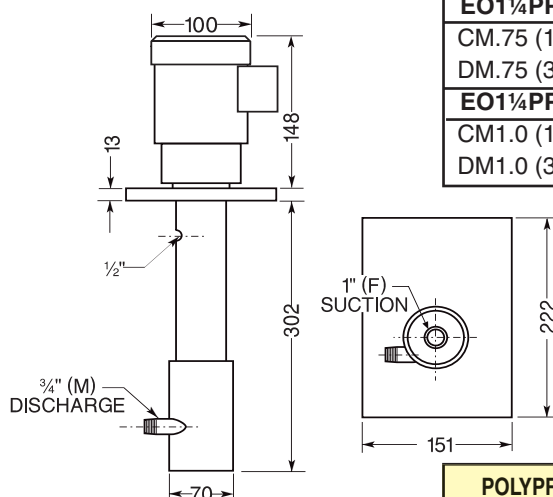
POLYPROPYLENE / EPDM		CPVC / EPDM		PVDF / VITON	
MODEL	PRICE CODE	MODEL	PRICE CODE	MODEL	PRICE CODE
EO1PPL1	39-1111	EO1CL1	39-1211	EO1KV1	39-1321
CM.5 (1ph)	suffix -BM	CM.5 (1PH)	suffix -BM	CM.5 (1PH)	suffix -BM
DM.5 (3ph)	suffix -GM	DM.5 (3PH)	suffix -GM	DM.5 (3PH)	suffix -GM
EO1PPL2	39-1113	EO1CL2	39-1213	EO1KV2	39-1323
CM.5 (1ph)	suffix -BM	CM.5 (1PH)	suffix -BM	CM.5 (1PH)	suffix -BM
DM.5 (3ph)	suffix -GM	DM.5 (3PH)	suffix -GM	DM.5 (3PH)	suffix -GM

MODEL EO4 & EO5**MOTOR DIMENSIONS**

PUMP	kW	HP	A	B	
		Phase	1	—	—
EO4	0.55	3/4	3	186	124
EO5	0.75	1	1	—	—
			3	218	139

PUMP	MAX. FLOW	MAX. HEAD
EO4	250 l/min	11 m
EO5	300 l/min	15 m

POLYPROPYLENE / EPDM		CPVC / EPDM		PVDF / VITON	
MODEL	PRICE CODE	MODEL	PRICE CODE	MODEL	PRICE CODE
EO1 1/4 PPL4	39-2114	EO1 1/4 CL4	39-2214	EO1 1/4 KV4	39-2324
CM.75 (1ph)	suffix -CM	CM.75 (1PH)	suffix -CM	CM.75 (1PH)	suffix -CM
DM.75 (3ph)	suffix -HM	DM.75 (3PH)	suffix -HM	DM.75 (3PH)	suffix -HM
EO1 1/4 PPL5	39-2115	EO1 1/4 CL5	39-2215	EO1 1/4 KV5	39-2325
CM1.0 (1ph)	suffix -DM	CM1.0 (1PH)	suffix -DM	CM1.0 (1PH)	suffix -DM
DM1.0 (3ph)	suffix -JM	DM1.0 (3PH)	suffix -JM	DM1.0 (3PH)	suffix -JM

MODEL E3/4

PUMP	MAX. FLOW	MAX. HEAD
E3/4	60 l/min	3.5 m

POLYPROPYLENE / EPDM		CPVC / EPDM		PVDF / VITON	
MODEL	PRICE CODE	MODEL	PRICE CODE	MODEL	PRICE CODE
E3/4 SPPL CM1/8	45-0030 2	E3/4 SCL CM1/8	45-0027 2	E3/4 SKV CM1/8	45-0028 2A

F.O.B. Manchester, England

Specifications subject to change without notice.

Registered trademarks: Viton - DuPont Dow Elastomers

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