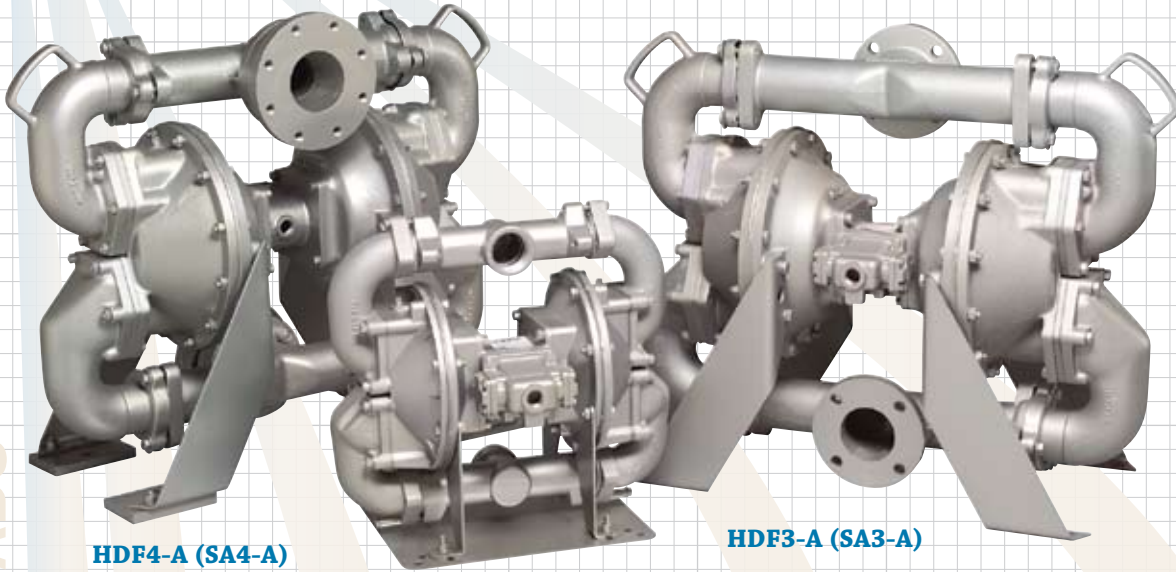


HEAVY DUTY FLAP



HDF4-A (SA4-A)

HDF2-A (SA2-A)

HDF3-A (SA3-A)



HDF (SA) Pumps are recommended for abrasive slurries, suspended and non-suspended solids and line-size solids requirements. All SANDPIPER® Heavy Duty Flap Valve pumps (SA) are configured in bottom discharge porting arrangements and provide superior suction lift. HDF pumps are thick wall constructed of Sand Casted Aluminum, Cast Iron and Stainless Steel with elastomer, TPE (thermal plastic elastomers) and PTFE options in diaphragms and check valves. HDF pumps are enhanced with an extended wear package.

Heavy duty flap valve pumps with tranquilizers permanently installed in an automotive industrial waste treatment facility.

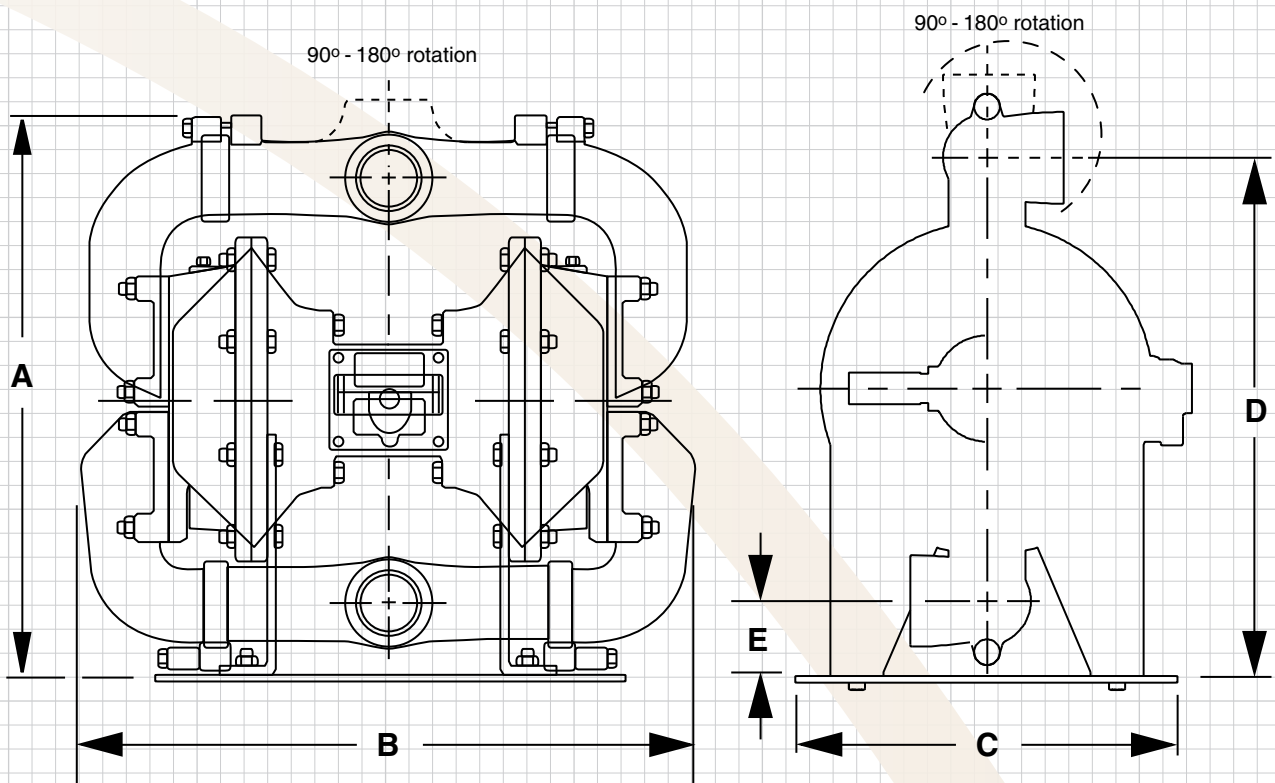


VARIABLE HEADS

VARIABLE FL

Dimensional Detail

With more ways than one!



Bottom Discharge Ported

PUMP MODELS	A	B	C	D		Connection Style	Pipe Size	Displacement Per Stroke	Max Flow Per Minute	Max Solids Handling	Max Discharge Pressure
	Height	Width	Depth	Bottom of Base to Center Line of:							
	inches (mm)	inches (mm)	inches (mm)	Suction	Discharge						
			inches (mm)	inches (mm)							
SA1-A/SA25A	14 7/16 (367)	11 3/4 (298)	10 13/16 (275)	3 3/16 (81)	3 3/16 (81)	1" NPT/BSP	1 (25)	.09 (.34)	42 (159)	1 (25)	125 (8.6)
SA2-A HDF2-A	20 5/16 (516)	21 3/4 (552)	13 5/8 (346)	17 11/16 (449)	2 9/16 (65)	2" NPT only	2 (50)	.43 (1.60)	140 (530)	2 (50)	125 (8.6)
SA3-A HDF3-A	29 1/2 (749)	36 9/16 (929)	16 1/4 (413)	25 3/4 (654)	4 1/4 (108)	3" 125# ANS	3 (80)	1.62 (6.15)	260 (988)	3 (80)	125 (8.6)
SA3-M HDF3-M	30 1/4 (768)	32 5/16 (821)	16 3/16 (411)	26 1/2 (673)	5 (127)	3" 125# ANSI	3 (80)	1.23 (4.66)	260 (988)	3 (80)	125 (8.6)
SA4-A HDF4-A	31 (787)	36 9/16 (929)	21 1/4 (540)	26 1/2 (673)	5 (127)	4" 125# ANSI	4 (100)	1.62 (6.15)	260 (988)	3 (80)	125 (8.6)
SA4-M HDF4-M	31 (787)	32 5/16 (821)	16 3/16 (411)	26 1/2 (673)	5 (127)	4" 125# ANSI	4 (100)	1.23 (4.66)	260 (988)	3 (80)	125 (8.6)

All Dimensions +/- 1/8 (3)

140
FLOWS - GPM

180

220

260