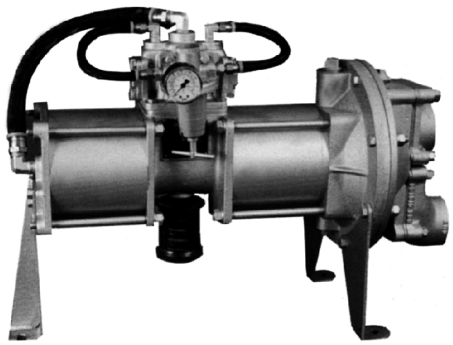
WARREN RUPP®

Quality System ISO9001 Certified

Environmental Management System ISO14001 Certified

IDEX CORPORATION



SandPIPER®

PHOENIX®

SH2-M TYPE 7 (2:1 RATIO)

Air-Powered Diaphragm Pump

ENGINEERING, PERFORMANCE & CONSTRUCTION DATA

SandPIPER Model SH2-M (2:1 Ratio)

Air-powered diaphragm pump delivers discharge pressure, up to 250 psi maximum, equal to twice the inlet air pressure (2:1 ratio). Designed for filter press feed or similar applications where higher discharge pressures are required.

INTAKE/DISCHARGE PIPE SIZE	CAPACITY	AIR VALVE	SOLIDS-HANDLING	DISCHARGE PORTING	HEADS UP TO
2" *(50mm)* NPT(F)	0 to 25 gallons per minute *(0 to 95 liters per minute)*	No-lube, no-stall design	Up to 2" *(50mm)*	Bottom	250 psi or 577 ft. of water

MATERIALS OF CONSTRUCTION

SH2-M Type 7	Suction/ Discharge Flanges	Outer Chamber	Inner Chamber	Cylinder Body	Piston	Intermediate Housing	Diaphragm Rod	Valve Seat	Hardware	Diaphragm	Flap Valve	Hinge Pad	Cylinder Cap	Shipping Weight (lbs)
DN-7-A	356-T6AL	356-T6AL	CI	PS	AL/BR	356-T6AL	416SS	316SS	PS	N	N	N	CI	138
DB-7-A	356-T6AL	356-T6AL	CI	PS	AL/BR	356-T6AL	416SS	316SS	PS	B	B	B	CI	138
DI-7-A	356-T6AL	356-T6AL	CI	PS	AL/BR	356-T6AL	416SS	316SS	PS	I	I	I	CI	138
DV-7-A	356-T6AL	356-T6AL	CI	PS	AL/BR	356-T6AL	416SS	316SS	PS	V	V	V	CI	138
DN-7-I	CI	CI	CI	PS	AL/BR	356-T6AL	416SS	316SS	PS	N	N	N	CI	160
DB-7-I	CI	CI	CI	PS	AL/BR	356-T6AL	416SS	316SS	PS	B	B	B	CI	150
DI-7-I	CI	CI	CI	PS	AL/BR	356-T6AL	416SS	316SS	PS	I	I	I	CI	150
DV-7-I	CI	CI	CI	PS	AL/BR	356-T6AL	416SS	316SS	PS	V	V	V	CI	150

(SandPIPER® pumps are designed to be powered only by compressed air)
Temperature Limit: 212°F - *100°C* MAXIMUM

Meanings of Abbreviations:

AL = Aluminum
PS = Plated Steel
BR = Brass
B = Buna-N
SS = Stainless Steel
CI = Cast Iron
I = EPDM
N = Neoprene
V = Viton®

Viton® is a registered tradename of E.I. du Pont.

Available Parts Kits:

Air End Kit:
No. 476-100-000

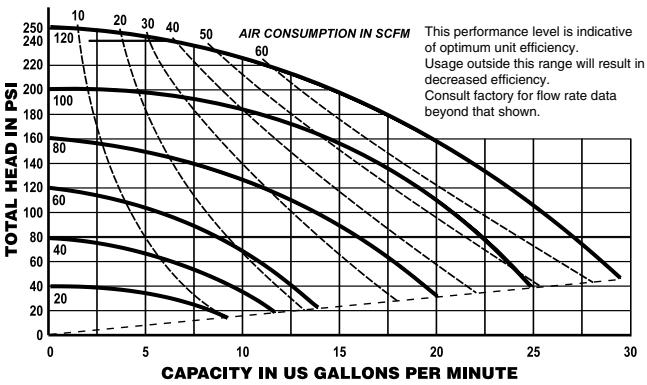
Wetted End Kits:
Nos. 476-055-365
476-055-360
476-055-364
476-055-363

SH2-M PHOENIX®

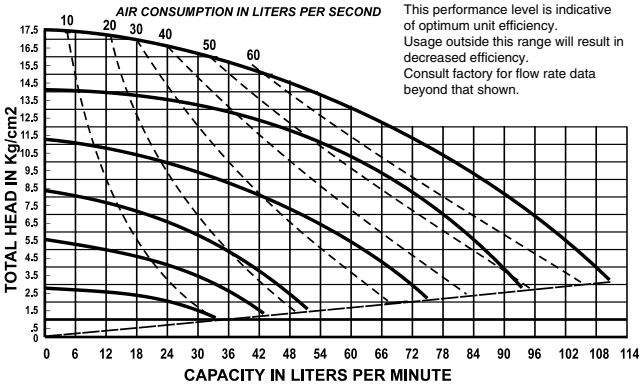
SandPIPER®

PERFORMANCE CURVES

(**SandPIPER®** pumps are designed to be powered **only** by compressed air)

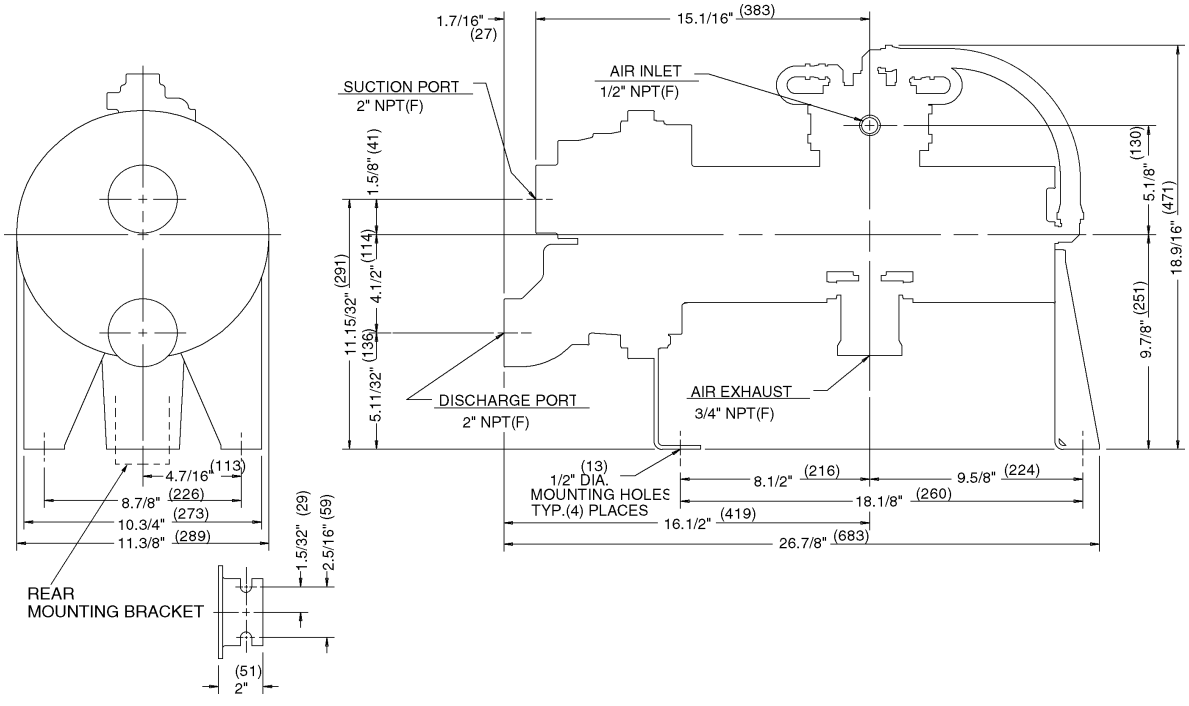


This performance level is indicative of optimum unit efficiency. Usage outside this range will result in decreased efficiency. Consult factory for flow rate data beyond that shown.



This performance level is indicative of optimum unit efficiency. Usage outside this range will result in decreased efficiency. Consult factory for flow rate data beyond that shown.

Dimensions are ± 1/8"
Figures in parenthesis = millimeters



2" NPT(F) SUCTION & DISCHARGE • 1/2" NPT(F) AIR INLET PORT • 3/4" NPT(F) AIR EXHAUST PORT

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