

**WARREN
RUPP®**

SANDPIPER®
A WARREN RUPP PUMP BRAND

DRILLER'S MUD SERIES

**2" Flap Valve
Models DMF2R
and DMF2S
Type 5**

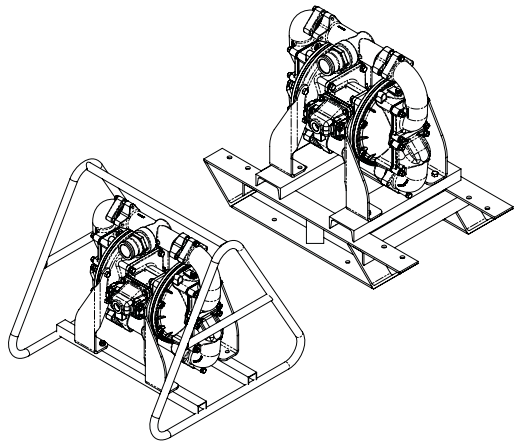
**Air-Operated
Double Diaphragm Pump**

ENGINEERING, PERFORMANCE
& CONSTRUCTION DATA

Quality System
ISO9001 Certified

Environmental
Management System
ISO14001 Certified

IDEX
FLUID & METERING



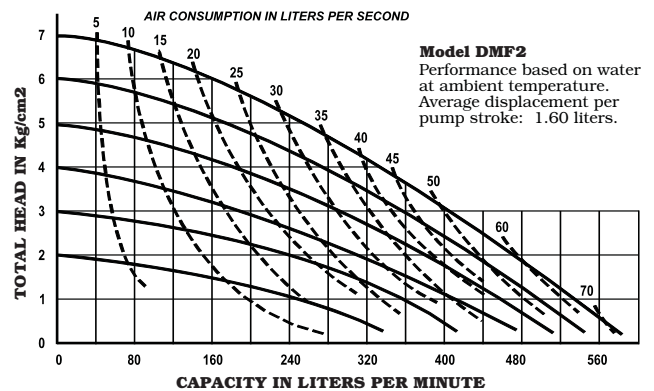
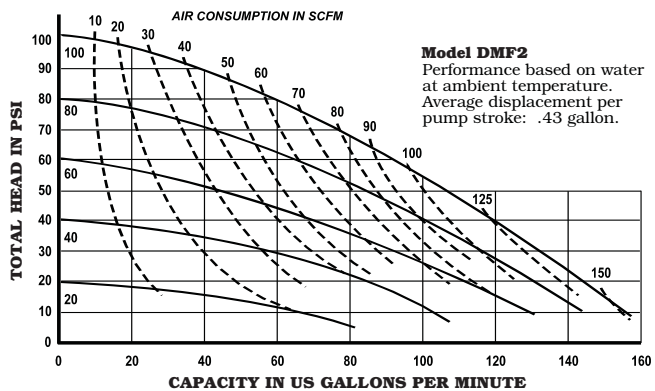
II 2GD T5



INTAKE/DISCHARGE PIPE SIZE	CAPACITY	AIR VALVE	SOLIDS-HANDLING	HEADS UP TO
2" (50mm) NPT(F)	0 to 140 gallons per minute (0 to 530 liters per minute)	No-lube, no-stall design.	Up to 2" (50mm)	125 psi or 289 ft. of water (8.8Kg/cm ² or 88 meters)

PERFORMANCE CURVES

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



MATERIALS OF CONSTRUCTION

DMF2 Type 5	Manifold Elbow	Outer Chamber	Inner Chamber	Outer Diaphragm Plate	Inner Diaphragm Plate	Intermediate Housing	Diaphragm Rod	Valve Seat	Hardware	Diaphragm	Flap Valve Material	Seat Gasket	Sealing Rings	Shipping Wt.(lbs)
DB-5-A	AL380DC	AL380DC	AL 380DC	PS	PS	356-T6AL	416SS	316SS	PS	B	B	N/A	B	86

Meanings of Abbreviations:

AL = Aluminum DC = Die Cast SS = Stainless Steel
B = Nitrile PS = Plated Steel

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DMF2R



MATERIALS

Nitrile General purpose, oil-resistant. Shows good solvent, oil, water and hydraulic fluid resistance. Should not be used with highly polar solvents like acetone and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons.

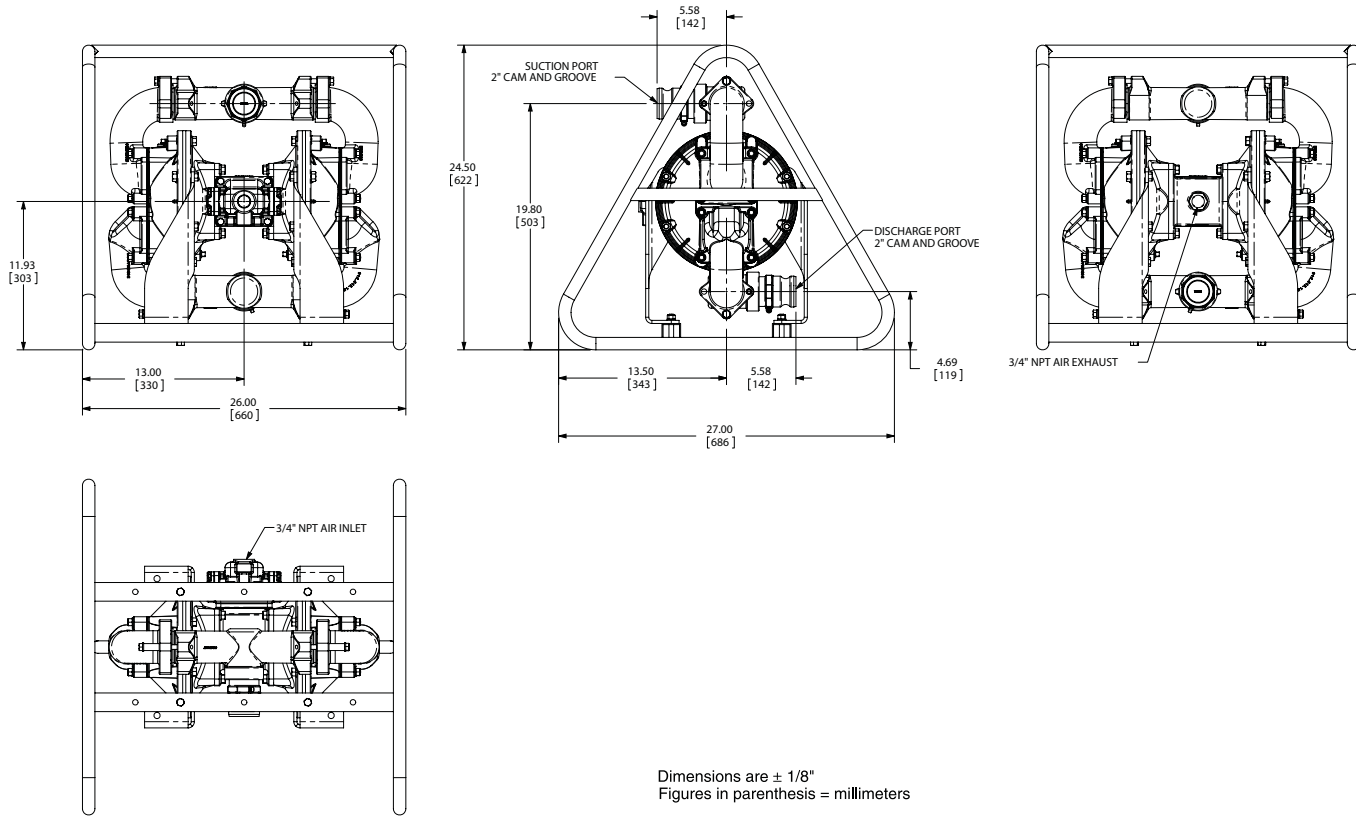
Operating Temperatures

Maximum*	Minimum*
190°F	-10°
88°C	-23°

For specific applications, always consult The Warren Rupp Chemical Resistance Chart.

*Definite reduction in service life.
**Minimal reduction in service life at ends of range.

Model DMF2R



3/4" NPT(F) AIR INLET PORT • 3/4" NPT(F) AIR EXHAUST PORT (NOT SHOWN)

*Equipped with 2" Cam and Groove Male Fittings

DMF2S



Model DMF2S

