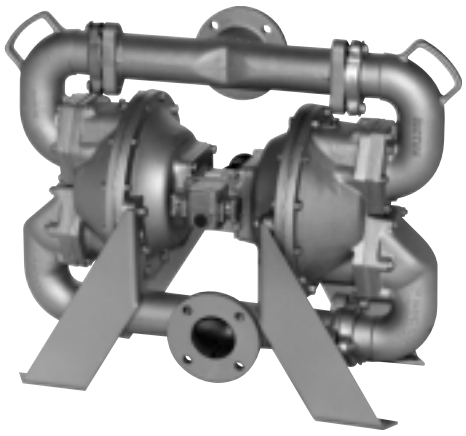
MARATHON®
A WARREN RUPP PUMP BRAND



FLAP VALVE
MP14F

DESIGN LEVEL 1

Air-Powered Double-Diaphragm Pump

ENGINEERING, PERFORMANCE & CONSTRUCTION DATA

Ex II 2GD b T5

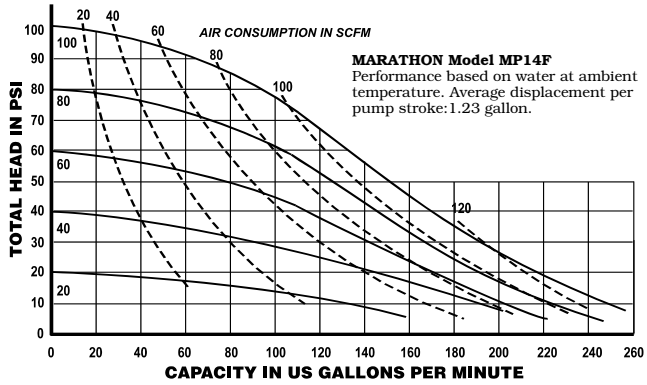
CE

INTAKE/DISCHARGE PIPE SIZE	CAPACITY	AIR VALVE	SOLIDS-HANDLING	HEADS UP TO
3" 125# ASA bolt on flange or 4" 125# ASA bolt on flange	0 to 260 gallons per minute *(0 to 988 liters per minute)*	No-lube, non-stall design.	Up to nearly 3" *(75mm)*	125 psi or 289 ft. of water *(8.8 Kg/cm² or 88 meters)*

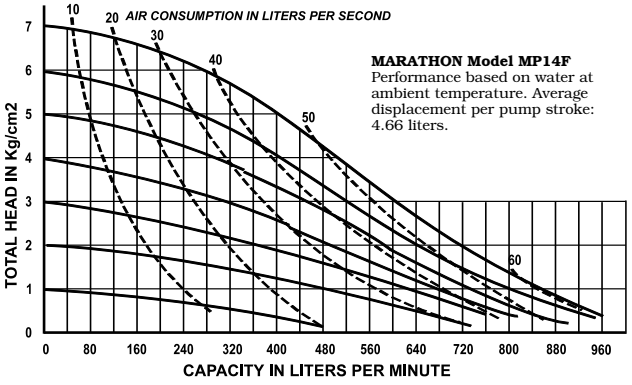
PERFORMANCE CURVES

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

Temperature Limit: 212°F - *100°C* MAXIMUM



MARATHON Model MP14F
Performance based on water at ambient temperature. Average displacement per pump stroke:1.23 gallon.



MARATHON Model MP14F
Performance based on water at ambient temperature. Average displacement per pump stroke: 4.66 liters.

Model MP14F	Type Code Breakdown (See Material Listing)									Shipping Weight (lbs.)
Type Code	Check Valve Material	Diaphragm Material	Wetted End Material	Option Block	-	Air End Material	Design Level	Porting	Option Block	
BBA0-A1U0	B	B	A	0	-	A	1	U	0	245
BBAS-A1U0	B	B	A	S	-	A	1	U	0	245
HNA0-A1U0	H	N	A	0	-	A	1	U	0	245
HNAS-A1U0	H	N	A	S	-	A	1	U	0	245
NNA0-A1U0	N	N	A	0	-	A	1	U	0	245
NNAS-A1U0	N	N	A	S	-	A	1	U	0	245
UNA0-A1U0	U	N	A	0	-	A	1	U	0	245
UNAS-A1U0	U	N	A	S	-	A	1	U	0	245
BBA0-A1V0	B	B	A	0	-	A	1	V	0	250
NNA0-A1V0	N	N	A	0	-	A	1	V	0	250
UNA0-A1V0	U	N	A	0	-	A	1	V	0	250

Wetted & Air End Materials
A = Aluminum

Diaphragm/Valve Materials
B = Buna-N
H = Hytrel®
N = Neoprene
U = Urethane

Porting
U = 3" Flanged Suction & Discharge
V = 4" Flanged Suction & Discharge

Option Block
0 = Standard Unit
S = Stainless Steel Seats

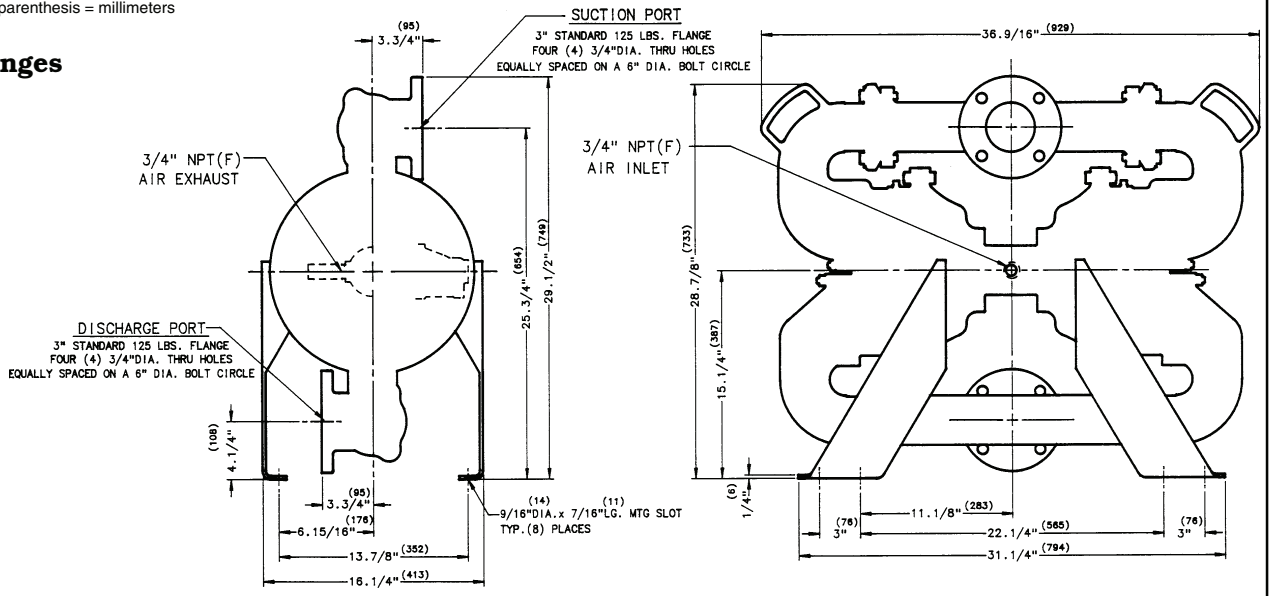
Hytrel® is a registered tradename of E.I. du Pont.

MP14F FLAP VALVE PUMP

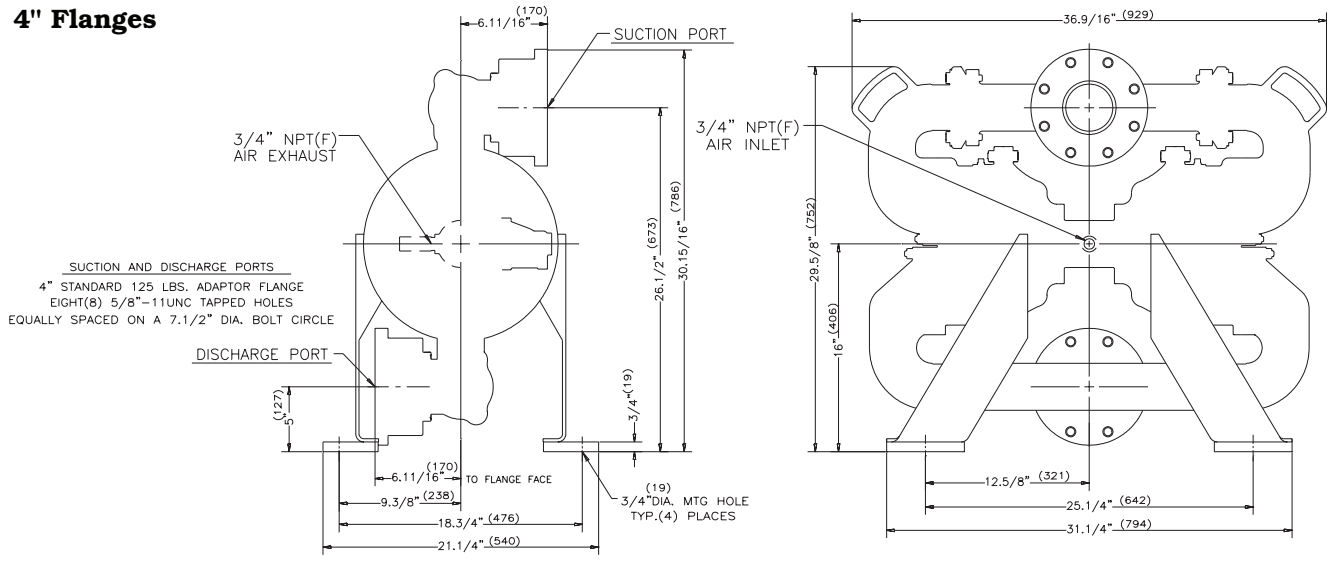
Material Characteristics	Operating Temperatures		
	Maximum*	Minimum*	Optimum**
BUNA-N General purpose, oil-resistant.Shows good solvent, oil, water and hydraulic fluid resistance. Should not be used with highly polar solvents like acetone and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons.	190°F *88°C*	-10°F *-23°C*	50°F to 140°F *10°C to 60°C*
NEOPRENE All purpose. Resistant to vegetable oils. Generally not affected by moderate chemicals, fats, greases and many oils and solvents. Generally attacked by strong oxidizing acids, ketones, esters, nitro hydrocarbons and chlorinated aromatic hydrocarbons.	170°F *77°C*	-35°F *-37°C*	50°F to 130°F *10°C to 54°C*
HYTREL® Good on acids, bases, amines and glycols at room temperature only.	190°F *88°C*	-10°F *-23°C*	50°F to 140°F *10° to 60°C*
URETHANE Shows good resistance to abrasives. Has poor resistance to most solvents and oils.	150°F *66°C*	+32°F 0 °C	50°F to 110°F *0°C to 43°C*
For specific applications, always consult the "Chemical Resistance Chart" Technical Bulletin.	*Definite reduction in service life. **Minimal reduction in service life at ends of range.		

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

3" Flanges



4" Flanges



3" OR 4" FLANGED SUCTION AND DISCHARGE • 3/4" NPT(F) AIR INLET AND EXHAUST PORTS

Specifications are subject to improvement without notice.

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