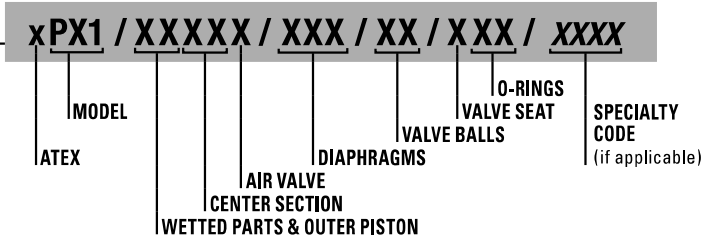


WILDEN PUMP DESIGNATION SYSTEM

**P1/PX1 ORIGINAL™
 METAL**

**13 mm (1/2") Pump
 Maximum Flow Rate:
 62.8 lpm (16.6 gpm)**

LEGEND



MATERIAL CODES

MODEL

- P1 = Pro-Flo®
- PX1 = Pro-Flo X™
- XPX1 = ATEX Pro-Flo X™

WETTED PARTS & OUTER PISTON

- AA = ALUMINUM / ALUMINUM
- AZ = ALUMINUM / NO PISTON
- SS = STAINLESS STEEL / STAINLESS STEEL
- SZ = STAINLESS STEEL / NO PISTON

CENTER SECTION

- AA = ALUMINUM (PX1 only)
- GG = CONDUCTIVE ACETAL (P1 only)
- JJ = CONDUCTIVE POLYPROPYLENE (P1 only)
- LL = ACETAL (P1 only)
- PP = POLYPROPYLENE (P1 only)

AIR VALVE

- A = ALUMINUM (PX1 only)
- G = CONDUCTIVE ACETAL (P1 only)
- J = CONDUCTIVE POLYPROPYLENE (P1 only)
- L = ACETAL (P1 only)
- P = POLYPROPYLENE (P1 only)

DIAPHRAGMS

- XBS = CONDUCTIVE BUNA-N (Two Red Dots)
- BNS = BUNA-N (Red Dot)
- FSS = SANIFLEX™ [Hytrel® (Cream)]
- PUS = POLYURETHANE (Clear)
- TEU = PTFE w/EPDM BACK-UP (White)
- THU = PTFE W/HIGH-TEMP BUNA-N BACK-UP (White)
- TNU = PTFE W/NEOPRENE BACK-UP (White)
- TNL = PTFE W/NEOPRENE BACK-UP O-RING, IPD (White)
- VTS = VITON® (White Dot)
- WFS = WIL-FLEX™ [Santoprene® (Orange Dot)]
- EPS = EPDM (Blue Dot)

VALVE BALL

- BN = BUNA-N (Red Dot)
- FS = SANIFLEX™ [Hytrel® (Cream)]
- PU = POLYURETHANE (Brown)
- TF = PTFE (White)
- VT = VITON® (White Dot)
- WF = WIL-FLEX™ [Santoprene® (Orange Dot)]
- EP = EPDM (Blue Dot)

VALVE SEAT

- A = ALUMINUM
- S = STAINLESS STEEL
- V = VITON® (White Dot)

VALVE SEAT O-RING

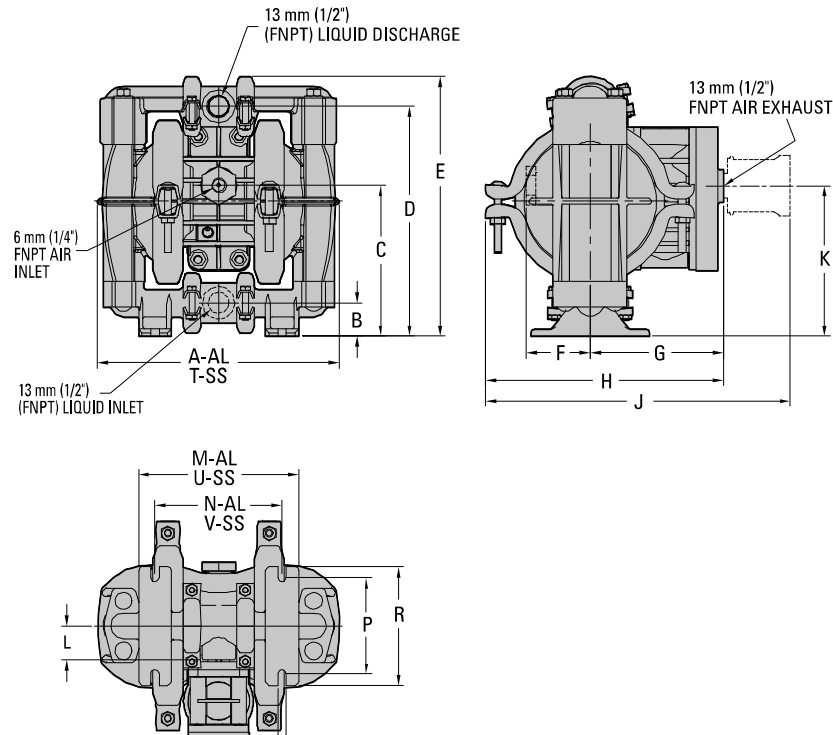
- BN = BUNA-N
- FS = SANIFLEX™ [Hytrel® (Cream)]
- PU = POLYURETHANE (Brown)
- TF = PTFE (White)
- WF = WIL-FLEX™ [Santoprene®]
- EP = EPDM

SPECIALTY CODES

- | | |
|--------------------------------------|--|
| 0023 Wing nuts | 0120 Saniflo™ FDA, Wil-Gard II™ 110V |
| 0067 Saniflo™ FDA, Wil-Gard II™ 220V | 0206 PFA coated hardware, Wil-Gard II™ sensor wires ONLY |
| 0070 Saniflo™ FDA | 0390 CSA Approved |
| 0079 Tri-clamp fittings, wing nuts | 0495 U.L. Approved |
| 0080 Tri-clamp fittings ONLY | 0502 PFA coated hardware |
| 0100 Wil-Gard II™ 110V | 0603 PFA coated hardware, Wil Gard 110V |
| 0102 Wil-Gard II™ sensor wires ONLY | 0608 PFA coated hardware, Wil Gard 220V |
| 0103 Wil-Gard II™ 220V | |

NOTE: The Wilden UL 79 Listed products covered by this manual are PX1 models followed by AA or SS, followed by AA, followed by A, followed by BNS, followed by BN, followed by A or S, followed by BN, followed by 0495. Wilden UL Listed pumps have been evaluated for use at a 25 C (77F) ambient temperature with a maximum inlet pressure of 3.4 Bar (50 PSI)..

P1 METAL



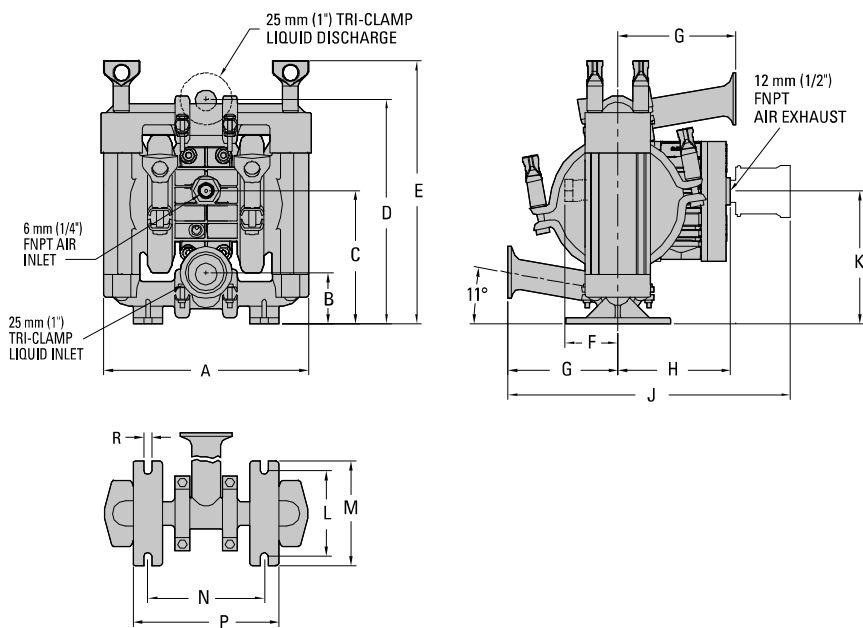
DIMENSIONS

ITEM	METRIC (mm)	STANDARD (inch)
A	208	8.2
B	28	1.1
C	130	5.1
D	198	7.8
E	224	8.8
F	53	2.1
G	114	4.5
H	206	8.1
J	262	10.3
K	130	5.1
L	30	1.2
M	137	5.4
N	109	4.3
P	84	3.3
R	102	4.0
S	8	0.3
T	203	8.0
U	142	5.6
V	112	4.4

BSPT threads available.

REV. E

P1 METAL SANIFLO^{FDA}



DIMENSIONS

ITEM	METRIC (mm)	STANDARD (inch)
A	203	8.0
B	53	2.1
C	130	5.1
D	218	8.6
E	257	10.1
F	53	2.1
G	114	4.5
H	114	4.5
J	287	11.3
K	130	5.1
L	84	3.3
M	102	4.0
N	84	3.3
P	142	5.6
R	8	0.3

REV. D

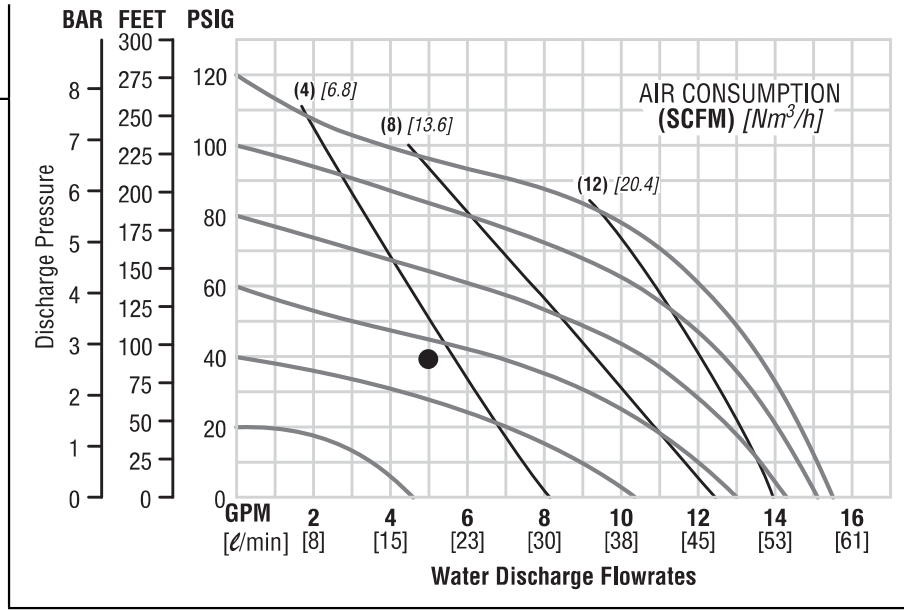
**P1 METAL
RUBBER-FITTED**

Height..... 224 mm (8.8")
 Width..... 208 mm (8.2")
 Depth 206 mm (8.1")
 Ship Weight Aluminum 6 kg (13 lbs)
 Stainless Steel 9 kg (20 lbs)
 Air Inlet..... 6 mm (1/4")
 Inlet..... 13 mm (1/2")
 Outlet 13 mm (1/2")
 Suction Lift..... 5.8 m Dry (19.0')
 9.5 m Wet (31.0')
 Displacement per Stroke . .11 l (0.029 gal.)¹
 Max. Flow Rate..... 58.67 lpm (15.5 gpm)
 Max. Size Solids 1.59 mm (1/16")

¹Displacement per stroke was calculated at 4.8 Bar (70 psig) air inlet pressure against a 2 Bar (30 psig) head pressure.

Example: To pump 18.9 lpm (5 gpm) against a discharge pressure head of 2.7 Bar (40 psig) requires 4 Bar (60 psig) and 5.92 Nm³/h (3.5 scfm) air consumption. (See dot on chart.)

Caution: Do not exceed 8.6 Bar (125 psig) air supply pressure.



Flow rates indicated on chart were determined by pumping water.

For optimum life and performance, pumps should be specified so that daily operation parameters will fall in the center of the pump performance curve.

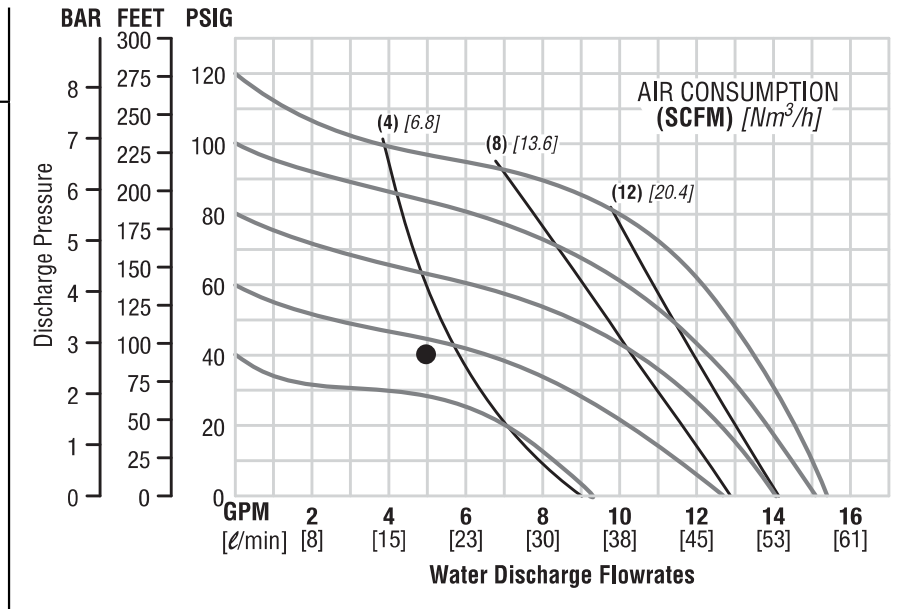
**P1 METAL
TPE-FITTED**

Height..... 224 mm (8.8")
 Width..... 208 mm (8.2")
 Depth 206 mm (8.1")
 Ship Weight Aluminum 6 kg (13 lbs)
 Stainless Steel 9 kg (20 lbs)
 Air Inlet..... 6 mm (1/4")
 Inlet..... 13 mm (1/2")
 Outlet 13 mm (1/2")
 Suction Lift..... 5.2 m Dry (17.0')
 9.5 m Wet (31.0')
 Displacement per Stroke . .11 l (0.029 gal.)¹
 Max. Flow Rate..... 58.30 lpm (15.4 gpm)
 Max. Size Solids 1.59 mm (1/16")

¹Displacement per stroke was calculated at 4.8 Bar (70 psig) air inlet pressure against a 2 Bar (30 psig) head pressure.

Example: To pump 18.9 lpm (5 gpm) against a discharge pressure head of 2.7 Bar (40 psig) requires 4 Bar (60 psig) and 5.92 Nm³/h (3.5 scfm) air consumption. (See dot on chart.)

Caution: Do not exceed 8.6 Bar (125 psig) air supply pressure.



Flow rates indicated on chart were determined by pumping water.

For optimum life and performance, pumps should be specified so that daily operation parameters will fall in the center of the pump performance curve.

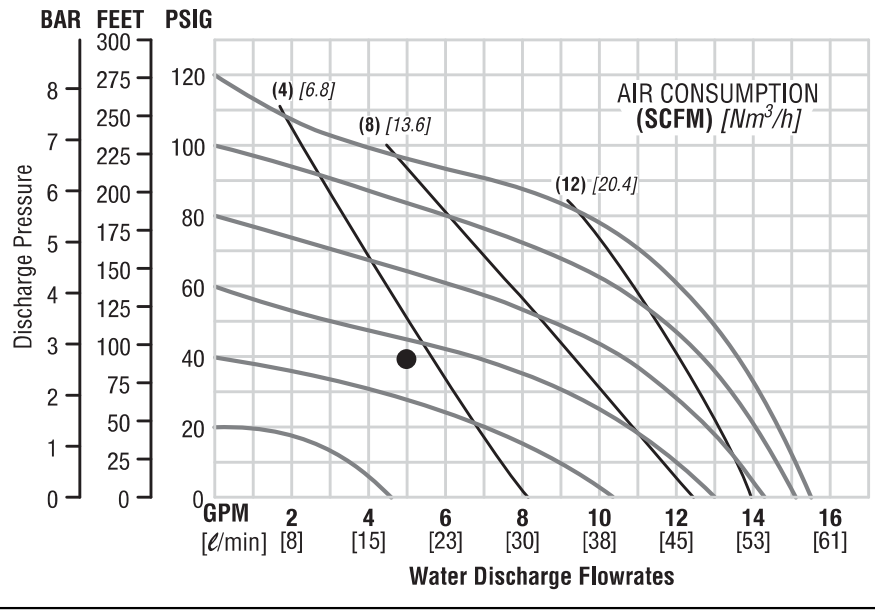
**P1 METAL
PTFE-FITTED**

- Height..... 224 mm (8.8")
- Width..... 208 mm (8.2")
- Depth 206 mm (8.1")
- Ship Weight Aluminum 6 kg (13 lbs)
Stainless Steel 9.2 kg (20 lbs)
- Air Inlet..... 6 mm (1/4")
- Inlet..... 13 mm (1/2")
- Outlet 13 mm (1/2")
- Suction Lift..... 4.9 m Dry (16.0')
9.5 m Wet (31.0')
- Displacement per Stroke . . .09 l (0.025 gal.)¹
- Max. Flow Rate..... 54.41 lpm (14.4 gpm)
- Max. Size Solids 1.59 mm (1/16")

¹Displacement per stroke was calculated at 4.8 Bar (70) air inlet pressure against a 2 Bar (30 psig) head pressure.

Example: To pump 18.9 lpm (5 gpm) against a discharge pressure head of 2.7 Bar (40 psig) requires 4 Bar (60 psig) and 5.92 Nm³/h (3.5 scfm) air consumption. (See dot on chart.)

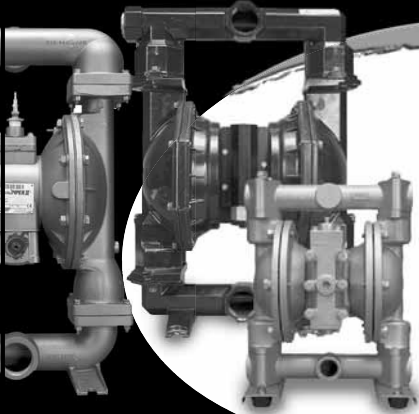
Caution: Do not exceed 8.6 Bar (125 psig) air supply pressure.



Flow rates indicated on chart were determined by pumping water.

For optimum life and performance, pumps should be specified so that daily operation parameters will fall in the center of the pump performance curve.

Finding A Spares Nightmare



PRODUCTS: AODD

(Air Operated Double Diaphragm Pumps)

- Warren-Rupp®
- ARO®
- Other



PUMP PARTS

(Low Cost)

- Diaphragms
- Valve balls
- Valve seats



KNOWLEDGE & SERVICE

- Competitive pricing
- Delivery
- Service
- Inventory

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Spectrom is not your typical after market part supplier. We do not simply sell pump parts; we provide value added procurement solutions.

Our unique network enables us to purchase effectively, resulting in low cost solutions. We also know that low purchase price is not enough - quality, integrity and inventory are also important. Spectrom is structured to provide Pre and Post sales support, giving our customers value added application and pump knowledge.

Contact us to have a procurement solution developed for you. We don't just fit you into a generic system, we develop specific solutions that achieve results.

Spectrom will ship your order from our facility within 3 working days!

WARNING: These parts may exhibit better life than OEM parts.

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