

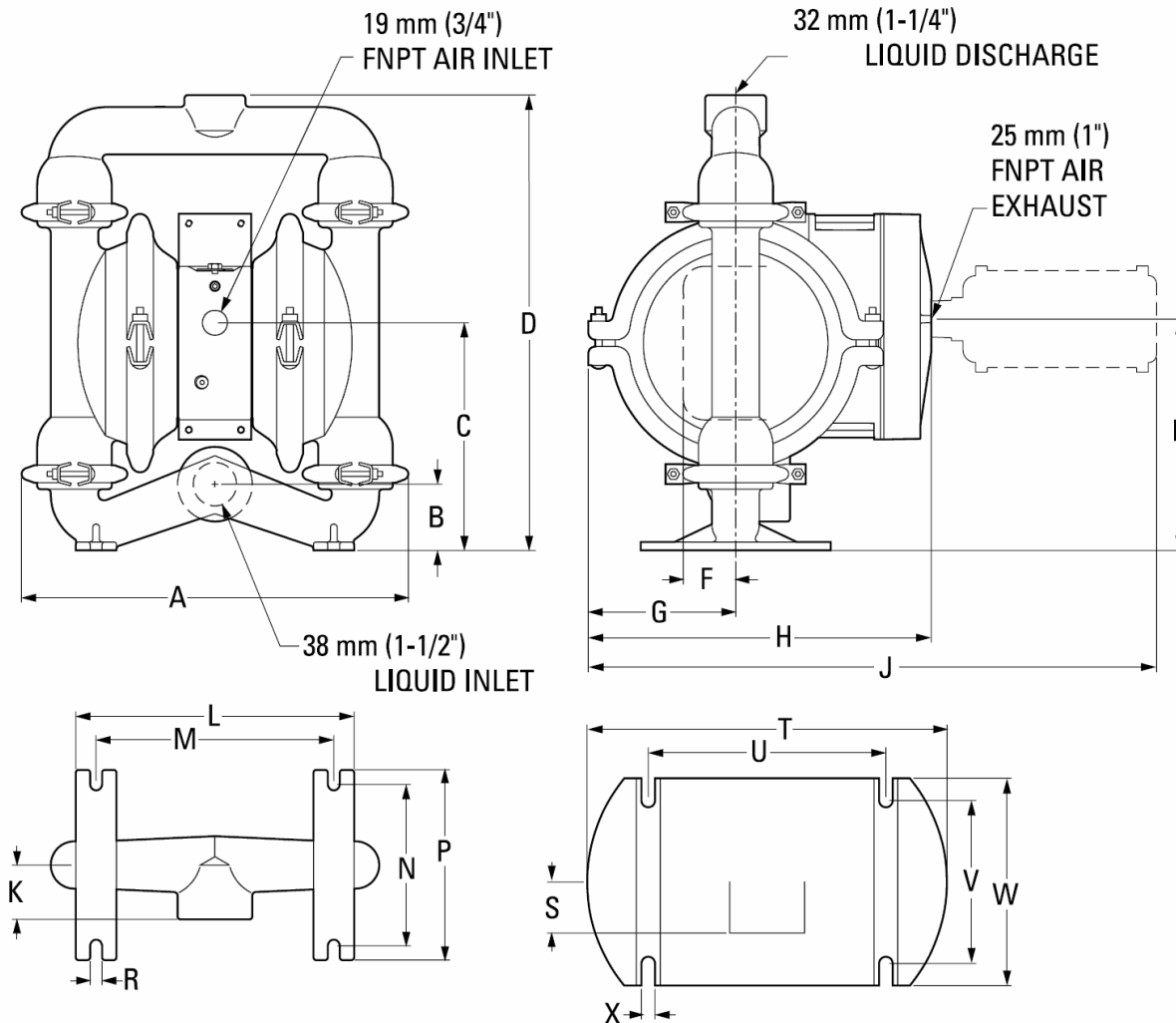
# TECHNIQUES DES FLUIDES

10 Rue Jean Poulmarch, bat. 3  
Z.I. Du Val d'Argent  
95100 Argenteuil  
Tel. : 01.34.11.13.73 / Fax : 01.34.11.96.35

E-mail : tdf@techniquesfluides.fr  
Site web : www.techniquesfluides.fr



## PX4 Metal



FOOTED BASE FOR STAINLESS  
STEEL & ALLOY C MODELS

BASE FOR ALUMINUM  
& CAST IRON MODELS

## DIMENSIONS

ITEM	METRIC (mm)	STANDARD (inch)
A	368	14.5
B	64	2.5
C	213	8.4
D	429	16.9
E	216	8.5
F	48	1.9
G	147	5.8
H	320	12.6
J	531	20.9
K	51	2.0
L	262	10.3
M	224	8.8
N	150	5.9
P	178	7.0
R	10	0.4
S	48	1.9
T	338	13.3
U	224	8.8
V	155	6.1
W	193	7.6
X	13	0.5

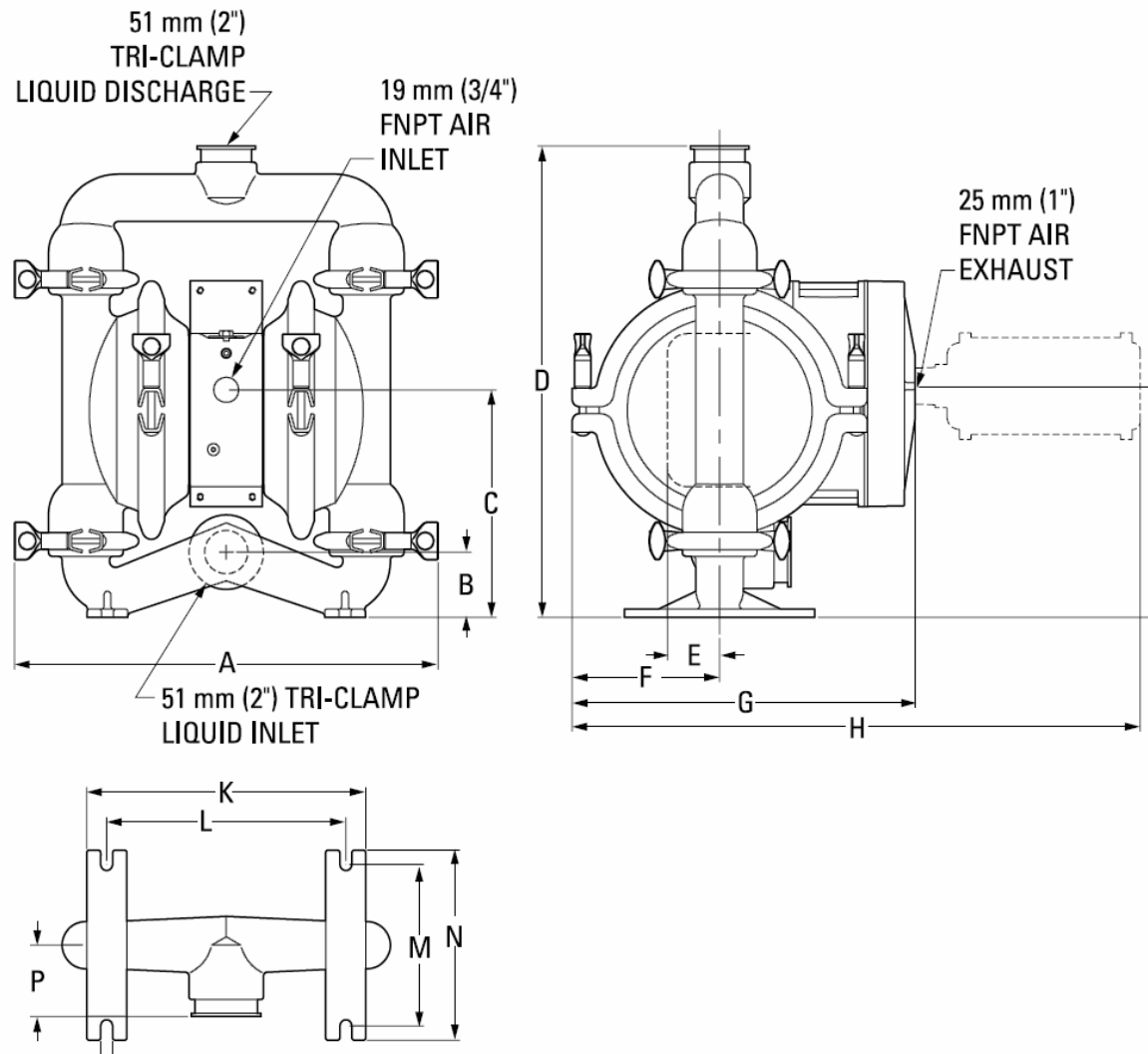
# TECHNIQUES DES FLUIDES

10 Rue Jean Poulmarch, bat. 3  
 Z.I. Du Val d'Argent  
 95100 Argenteuil  
 Tel. : 01.34.11.13.73 / Fax : 01.34.11.96.35

E-mail : tdf@techniquesfluides.fr  
 Site web : www.techniquesfluides.fr



## PX4 Metal Saniflo<sup>FDA</sup>



### DIMENSIONS

ITEM	METRIC (mm)	STANDARD (inch)
A	396	15.6
B	64	2.5
C	213	8.4
D	442	17.4
E	48	1.9
F	147	5.8
G	320	12.6
H	531	20.9
J	216	8.5
K	262	10.3
L	208	8.2
M	152	6.0
N	178	7.0
P	69	2.8
R	10	0.4

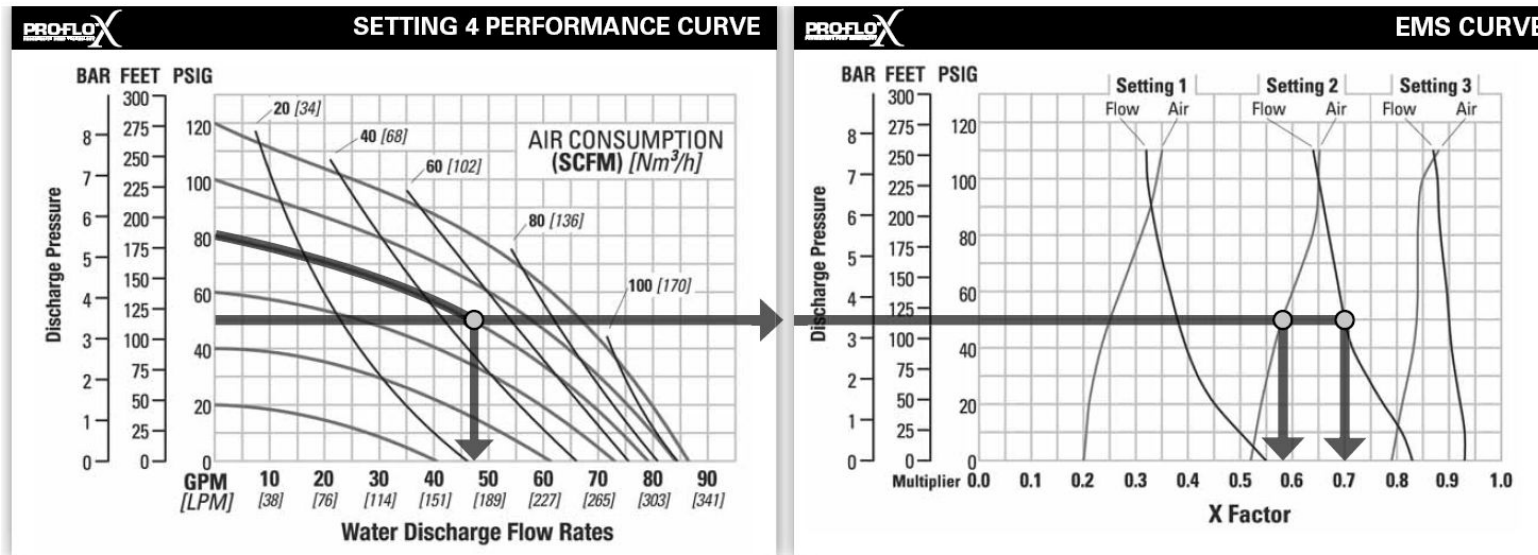
# TECHNIQUES DES FLUIDES

10 Rue Jean Poulmarch, bat. 3  
 Z.I. Du Val d'Argent  
 95100 Argenteuil  
 Tel. : 01.34.11.13.73 / Fax : 01.34.11.96.35

E-mail : tdf@techniquesfluides.fr  
 Site web : www.techniquesfluides.fr



## PX4 METAL – RUBBER-FITTED



### TECHNICAL DATA

Height.....	429 mm (16.9")
Width.....	.368 mm (14.5")
Depth.....	.320 mm (12.6")
Ship Weight.....	Aluminum 21 kg (46 lbs.)
	316 Stainless Steel 28 kg (62 lbs.)
	Cast Iron 30 kg (66 lbs.)
Air Inlet.....	19 mm (3/4")
Inlet.....	.38 mm (1-1/2")
Outlet.....	.38 mm (1-1/2")
Suction Lift.....	.69 m Dry (22.7')
	9.3 m Wet (30.6')
Disp. Per Stroke.....	1.02 l (0.27 gal.) <sup>1</sup>
Max. Flow Rate.....	.327 lpm (87 gpm)
Max. Size Solids.....	4.8 mm (3/16")

<sup>1</sup>Displacement per stroke was calculated at 4.8 bar (70 psig) air inlet pressure against a 2 bar (30 psig) head pressure.....

*The Efficiency Management System (EMS) can be used to optimize the performance of your Wilden pump for specific applications. The pump is delivered with the EMS adjusted to setting 4, which allows maximum flow.*

The Efficiency Management System (EMS) can be used to optimize the performance of your Wilden pump for specific applications. The pump is delivered with the EMS adjusted to setting 4, which allows maximum flow.

The EMS curve allows the pump user to determine flow and air consumption at each EMS setting. For any EMS setting and discharge pressure, the "X factor" is used as a multiplier with the original values from the setting 4 performance curve to calculate the actual flow and air consumption values for that specific EMS setting. Note: you can interpolate between the setting curves for operation at intermediate EMS settings.

### EXAMPLE

A PX4 metal, Rubber-fitted pump operating at EMS setting 4, achieved a flow rate of 178 lpm (47 gpm) using 82 Nm<sup>3</sup>/h (48 scfm) of air when run at 5.5 bar (80 psig) air inlet pressure and 3.4 bar (50 psig) discharge pressure (See dot on performance curve).

The end user did not require that much flow and wanted to reduce air consumption at his facility. He determined that EMS setting 2 would meet his needs. At 3.4 bar (50 psig) discharge pressure and EMS setting 2, the flow "X factor" is 0.70 and the air "X factor" is 0.58 (see dots on EMS curve).

Multiplying the original setting 4 values by the "X factors" provides the setting 2 flow rate of 125 lpm (33 gpm) and an air consumption of 47 Nm<sup>3</sup>/h (28 scfm). The flow rate was reduced by 30% while the air consumption was reduced by 42%, thus providing increased efficiency.

**For a detailed example for how to set your EMS, see beginning of performance curve section.**

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



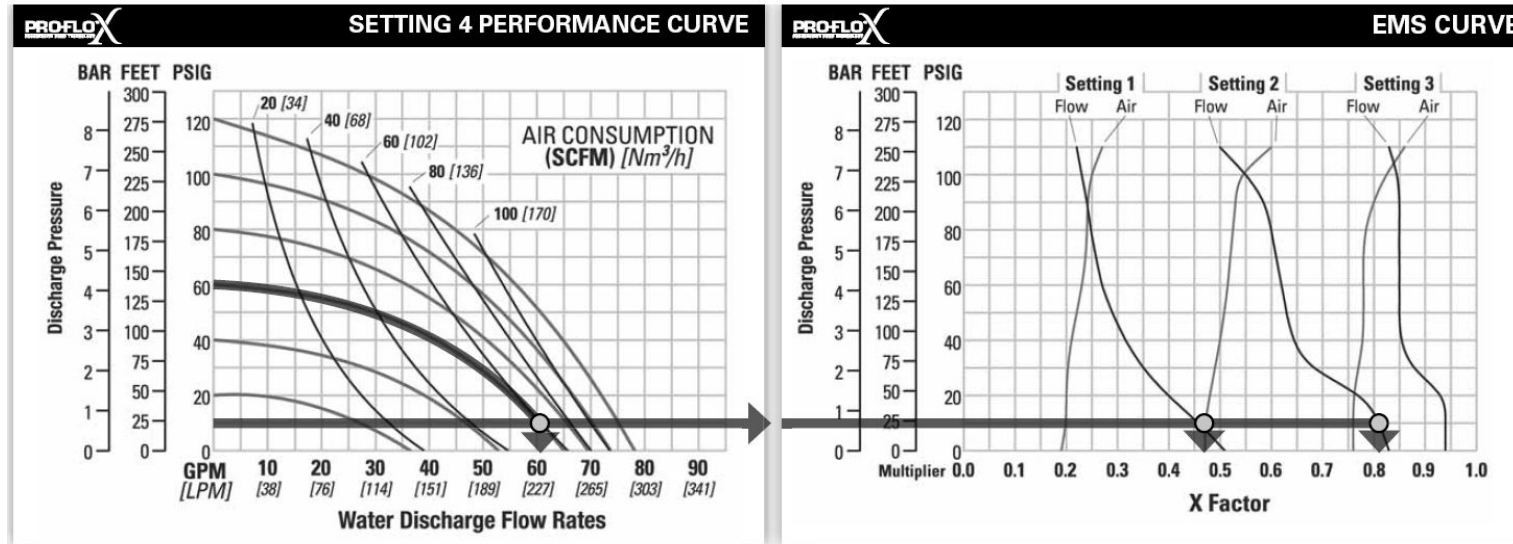
# TECHNIQUES DES FLUIDES

10 Rue Jean Poulmarch, bat. 3  
 Z.I. Du Val d'Argent  
 95100 Argenteuil  
 Tel. : 01.34.11.13.73 / Fax : 01.34.11.96.35

E-mail : tdf@techniquesfluides.fr  
 Site web : www.techniquesfluides.fr



## PX4 METAL – ULTRA-FLEX™



### TECHNICAL DATA

Height .....	429 mm (16.9")
Width .....	368 mm (14.5")
Depth .....	320 mm (12.6")
Ship Weight .....	Aluminum 21 kg (46 lbs.)
	316 Stainless Steel 28 kg (62 lbs.)
	Cast Iron 30 kg (66 lbs.)
Air Inlet .....	19 mm (3/4")
Inlet .....	38 mm (1-1/2")
Outlet .....	38 mm (1-1/2")
Suction Lift .....	6.2 m Dry (20.4')
	9.3 m Wet (30.6')
Disp. Per Stroke .....	0.76 l (0.20 gal.)
Max. Flow Rate .....	295 lpm (78 gpm)
Max. Size Solids .....	4.8 mm (3/16")

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

The Efficiency Management System (EMS) can be used to optimize the performance of your Wilden pump for specific applications. The pump is delivered with the EMS adjusted to setting 4, which allows maximum flow.

The Efficiency Management System (EMS) can be used to optimize the performance of your Wilden pump for specific applications. The pump is delivered with the EMS adjusted to setting 4, which allows maximum flow.

The EMS curve allows the pump user to determine flow and air consumption at each EMS setting. For any EMS setting and discharge pressure, the "X factor" is used as a multiplier with the original values from the setting 4 performance curve to calculate the actual flow and air consumption values for that specific EMS setting. Note: you can interpolate between the setting curves for operation at intermediate EMS settings.

### EXAMPLE

A PX4 metal, Ultra-Flex-fitted pump operating at EMS setting 4, achieved a flow rate of 231 lpm (61 gpm) using 102 Nm³/h (60 scfm) of air when run at 4.1 bar (60 psig) air inlet pressure and 0.7 bar (10 psig) discharge pressure (See dot on performance curve).

The end user did not require that much flow and wanted to reduce air consumption at his facility. He determined that EMS setting 2 would meet his needs. At 0.7 bar (10 psig) discharge pressure and EMS setting 2, the flow "X factor" is 0.81 and the air "X factor" is 0.47 (see dots on EMS curve).

Multiplying the original setting 4 values by the "X factors" provides the setting 2 flow rate of 187 lpm (49 gpm) and an air consumption of 48 Nm³/h (28 scfm). The flow rate was reduced by 19% while the air consumption was reduced by 53%, thus providing increased efficiency.

For a detailed example for how to set your EMS, see beginning of performance curve section.

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

