

# TECHNIQUES DES FLUIDES

10 Rue Jean Poulmarch, bat. 3

Z.I. Du Val d'Argent

95100 Argenteuil

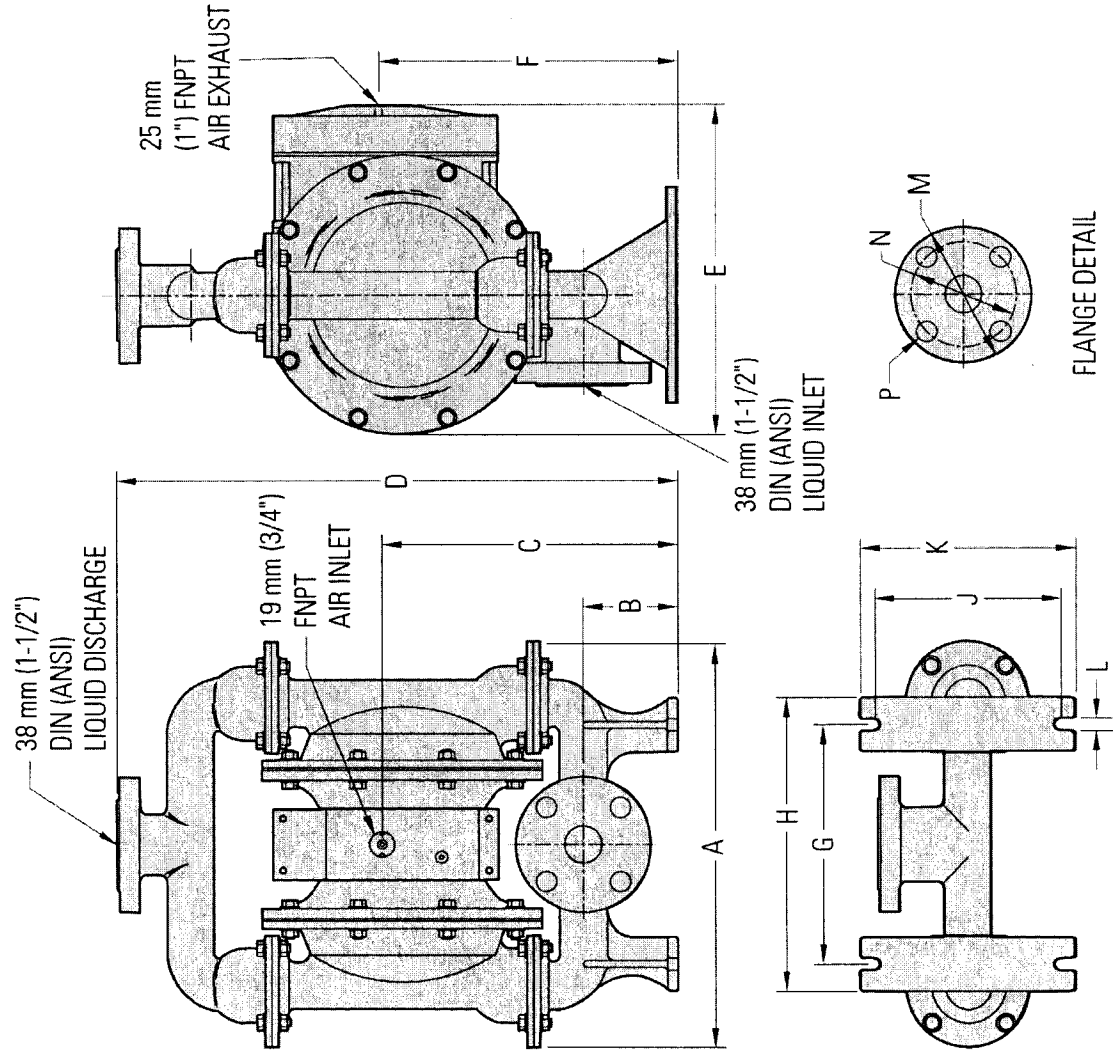
Tel. : 01.34.11.13.73 / Fax : 01.34.11.96.35

E-mail : [tdf@techniquesfluides.fr](mailto:tdf@techniquesfluides.fr)

Site web : [www.techniquesfluides.fr](http://www.techniquesfluides.fr)



## PV400 Stainless Steel/Alloy C



## DIMENSIONS

ITEM	METRIC (mm)	STANDARD (inch)
A	384	15.1
B	89	3.5
C	277	10.9
D	528	20.8
E	310	12.2
F	279	11.0
G	224	8.8
H	274	10.8
J	178	7.0
K	203	8.0
L	10	0.4
	DIN (mm)	ANSI (inch)
M	150 DIA.	5.0 DIA.
N	110 DIA.	3.8 DIA.
P	18 DIA.	0.6 DIA.

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## PV400 STAINLESS STEEL TEFLON®-FITTED

Height ..... 528 mm (20.8")  
Width ..... 384 mm (15.1")  
Depth ..... 310 mm (12.2")  
Ship Weight .....

316 Stainless Steel 43 kg (94 lbs.)  
Alloy C 45 kg (100 lbs.)  
Air Inlet ..... 19 mm (3/4")  
Inlet ..... 38 mm (1-1/2")  
Outlet ..... 38 mm (1-1/2")  
Suction Lift ..... 4.7 m Dry (15.3')  
9.5 m Wet (31.2')

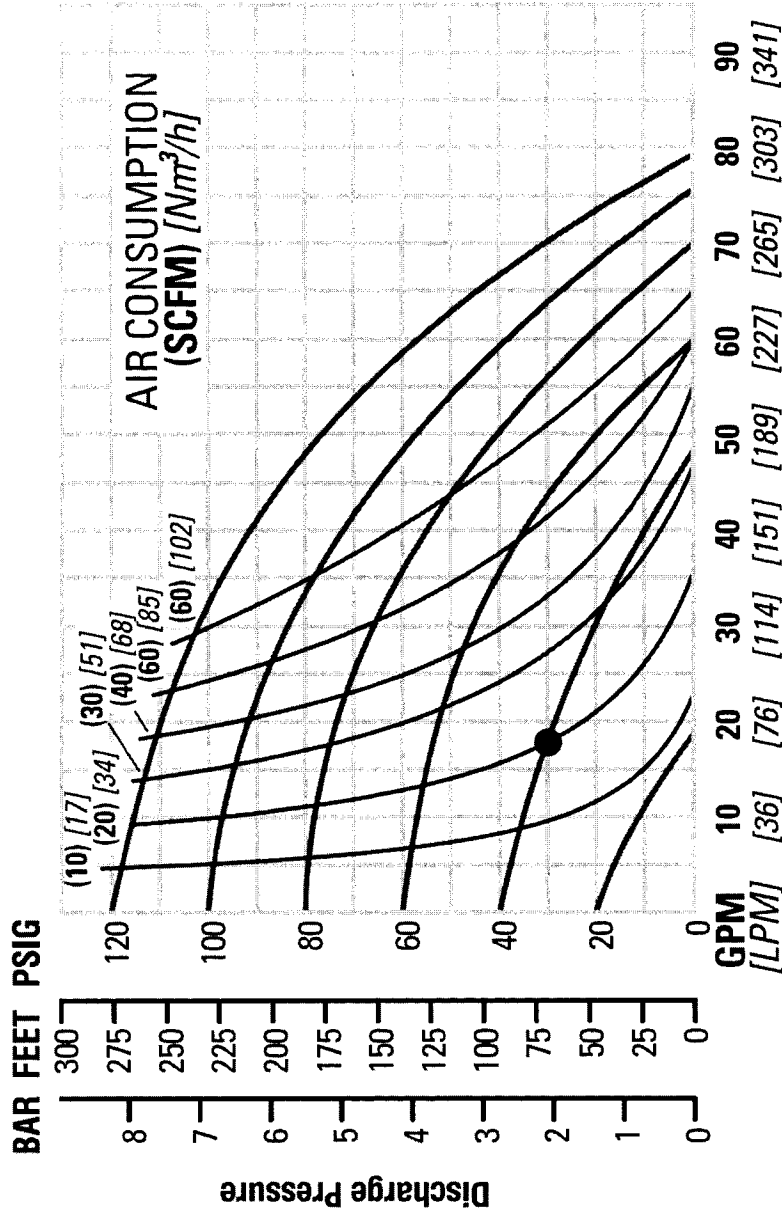
Displacement/Stroke.... 1.67 L (0.44 gal.)<sup>1</sup>  
Max. Flow Rate ..... 299 lpm (79 gpm)  
Max. Size Solids ..... 4.8 mm (3/16")

<sup>1</sup>Displacement per stroke was calculated at 4.8 bar (70 psig) air inlet pressure against a 2.1 bar (30 psig) head pressure.

**Example:** To pump 64 lpm (17 gpm) against a discharge pressure head of 2.1 bar (30 psig) requires 2.8 bar (40 psig) and 34 Nm<sup>3</sup>/h (20 scfm) air consumption.

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

## PROFLOV™



### Water Discharge Flow Rates

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.

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## PV400 STAINLESS STEEL RUBBER-FITTED

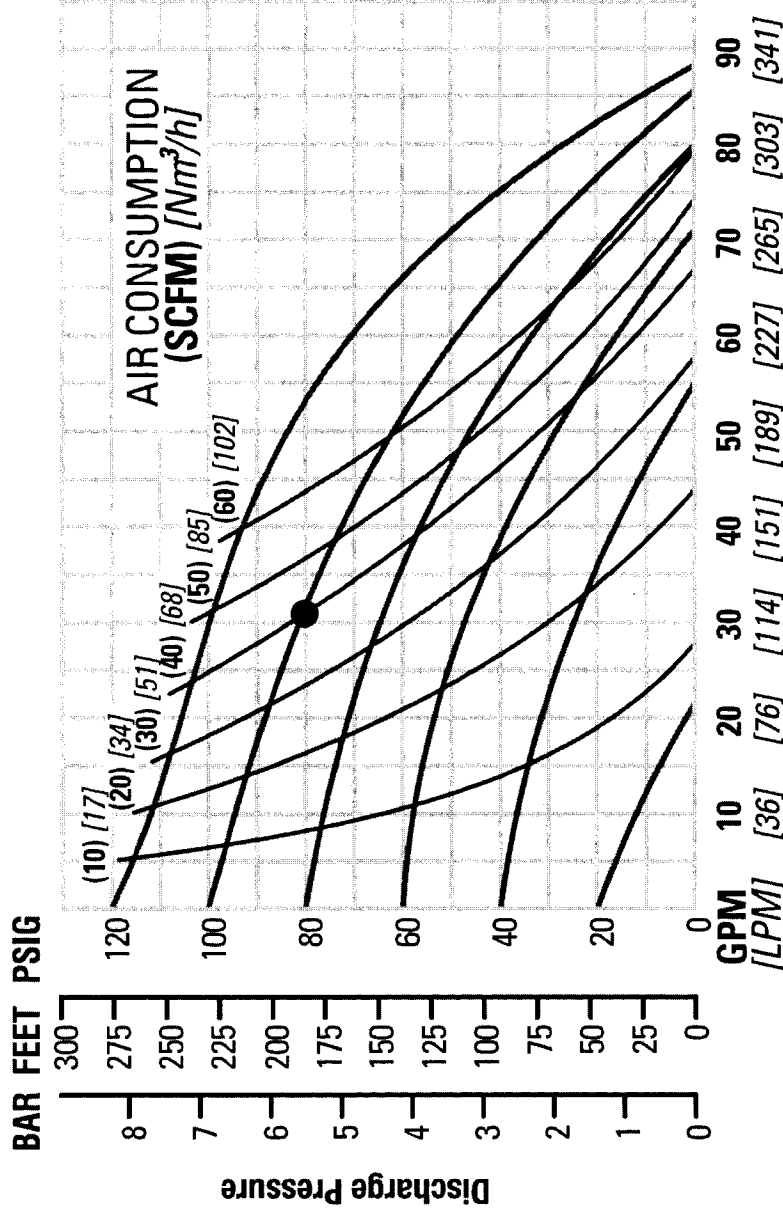
Height..... 528 mm (20.8")  
 Width..... 384 mm (15.1")  
 Depth..... 310 mm (12.2")  
 Ship Weight .....  
     316 Stainless Steel 43 kg (94 lbs.)  
     Alloy C 45 kg (100 lbs.)  
 Air Inlet..... 19 mm (3/4")  
 Inlet..... 38 mm (1-1/2")  
 Outlet..... 38 mm (1-1/2")  
 Suction Lift ..... 7.3 m Dry (23.8')  
                           9.5 m Wet (31.2')  
 Displacement/Stroke.... 2.99 L (0.79 gal.)<sup>1</sup>  
 Max. Flow Rate..... 333 lpm (88 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 2.1 bar (30 psig) head pressure.

**Example:** To pump 117 lpm (31 gpm) against a discharge pressure head of 5.5 bar (80 psig) requires 6.7 bar (100 psig) and 68 Nm<sup>3</sup>/h (40 scfm) air consumption.

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

## PROFLOV™



### Water Discharge Flow Rates

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.

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## PV400 STAINLESS STEEL TPE-FITTED

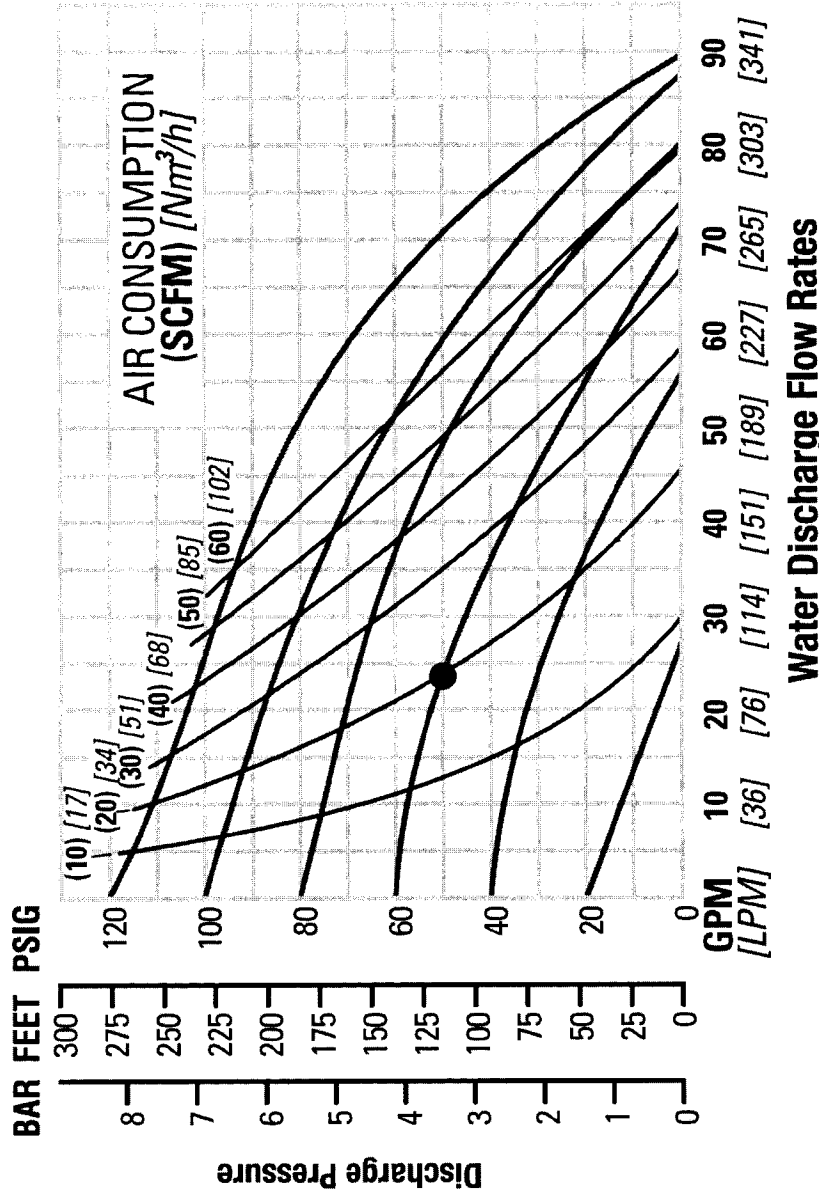
Height ..... 528 mm (20.8")  
 Width ..... 384 mm (15.1")  
 Depth ..... 310 mm (12.2")  
 Ship Weight .....  
     316 Stainless Steel 43 kg (94 lbs.)  
     Alloy C 45 kg (100 lbs.)  
 Air Inlet ..... 19 mm (3/4")  
 Inlet ..... 38 mm (1-1/2")  
 Outlet ..... 38 mm (1-1/2")  
 Suction Lift ..... 6.4 m Dry (21.0')  
                                   9.5 m Wet (31.2')  
 Displacement/Stroke ..... 2.95 L (0.78 gal.)<sup>1</sup>  
 Max. Flow Rate ..... 337 lpm (89 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 2.1 bar (30 psig) head pressure.

**Example:** To pump 91 lpm (24 gpm) against a discharge pressure head of 3.4 bar (50 psig) requires 4.1 bar (60 psig) and 34 Nm<sup>3</sup>/h (20 scfm) air consumption.

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

## PROFLO V™



Flow rates indicated on chart were determined by pumping water.

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## PV400 STAINLESS STEEL ULTRA-FLEX™-FITTED

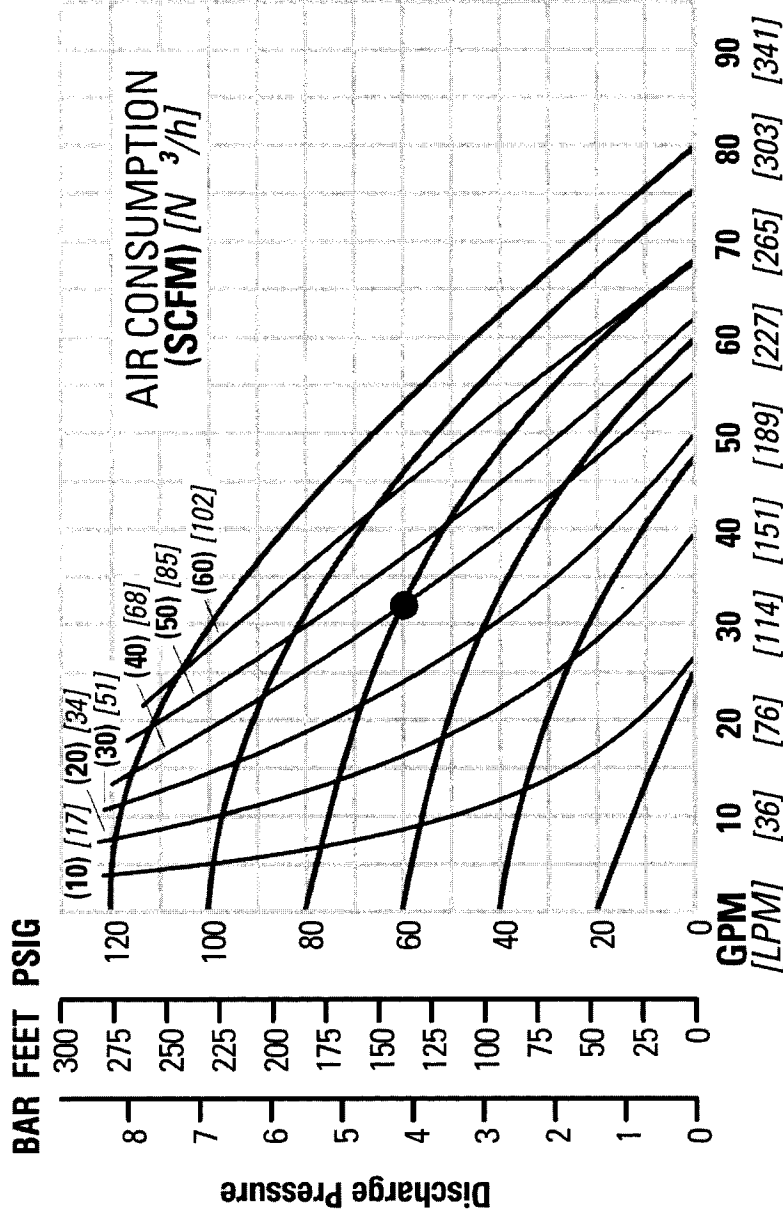
Height .....	528 mm (20.8")
Width .....	384 mm (15.1")
Depth .....	310 mm (12.2")
Ship Weight .....	
	316 Stainless Steel 43 kg (94 lbs.)
	Alloy C 45 kg (100 lbs.)
Air Inlet .....	19 mm (3/4")
Inlet .....	38 mm (1-1/2")
Outlet .....	38 mm (1-1/2")
Suction Lift .....	6.3 m Dry (20.5') 9.5 m Wet (31.2')
Displacement/Stroke .....	2.12 L (0.56 gal.) <sup>1</sup>
Max. Flow Rate .....	303 lpm (80 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 2.1 bar (30 psig) head pressure.

**Example:** To pump 121 lpm (32 gpm) against a discharge pressure head of 4.1 bar (60 psig) requires 2.8 bar (40 psig) and 68 Nm<sup>3</sup>/h (40 scfm) air consumption.

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

## PROFLOV™



### Water Discharge Flow Rates

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.