PV8

Saniflo<sup>™</sup> Hygienic Series **METAL** Pumps



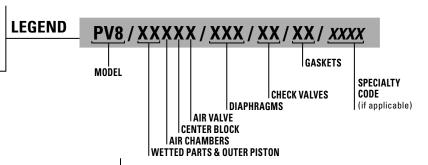




## WILDEN PUMP DESIGNATION SYSTEM

# PV8 SANIFLO™ HYGIENIC SERIES

51 mm (2") Pump Maximum Flow Rate: 590 lpm (156 gpm)



### **MATERIAL CODES**

#### MODEL

PV8 = 51 mm (2") XPV8 = 51 mm (2") ATEX

#### WETTED PARTS/ OUTER PISTON

SS = 316L STAINLESS STEEL SZ = 316L STAINLESS STEEL/ NO PISTON

#### **AIR CHAMBERS**

N = NICKEL PLATED ALUMINUM S = 316 STAINLESS STEEL

#### **CENTER BLOCK**

N = NICKEL PLATED ALUMINUM S = 316 STAINLESS STEEL

### **AIR VALVE**

N = NICKEL PLATED ALUMINUM S = 316 STAINLESS STEEL

#### NOTE:

- 1. Meets Requirements of FDA CFR21.177
- 2. Meets Requirements of USP Class VI
- 3. Required for EHEDG Certification
- 4. Required for 3-A Certification
- 5. Required for ATEX Certification
- 6. Flap Valve Not Available on PTFE, Ultra-Flex™ & SIPD

#### **DIAPHRAGMS**

BNU = ULTRA-FLEX™ BUNA¹ EPU = ULTRA-FLEX™ EPDM¹.5 FBS = SANITARY BUNA¹

(two yellow dots)
FES = SANITARY EPDM<sup>1,5</sup>
(two blue dots)

FSS = SANIFLEXTM 1

 $FWS = SANITARY WIL-FLEX^{TM \ 1}$ 

LEL = PTFE-EPDM BACKED LAMINATE IPD<sup>1,2,3,4,5</sup>

TEU = PTFE w/EPDM BACKUP<sup>1,2,5</sup>

TSU = PTFE w/SANIFLEX™ BACK-UP¹,2

# CHECK VALVES FB = SANITA

FB = SANITARY BUNA<sup>1,3,4</sup> (red dot)

= SANITARY EPDM<sup>1,3,4,5</sup>

(green dot) FS = SANIFLEX<sup>TM 1,3,4</sup>

FV = SANITARY VITON® 1,3,4

(one white/one

yellow dot)

FW = SANITARY WIL-FLEX<sup>TM 1,3,4</sup>

SF = 316L STAINLESS STEEL FLAP<sup>6</sup>

 $\Gamma F = PTFE^{1,2,3,4,5}$ 

TM = PTFE MUSHROOM

CHECK<sup>1,2,5</sup>

 $FB \quad = \quad SANITARY \; BUNA-N^{1,3,4}$ 

(red dot)

**GASKET** 

 $FE = SANITARY EPDM^{1,3,4,5}$ 

(green dot)

FV = SANITARY VITON® 1, 3, 4

(one white/one yellow dots)

 $TF = PTFE^{1,2,3,4,5}$ 

## **SPECIALTY CODES**

0770 SaniFlo HS

0771 SaniFlo HS, w/Swivel Stand

0772 SaniFlo HS, Wil-Gard 110V

0773 SaniFlo HS, Wil-Gard 220V

0774 SaniFlo HS, Wil-Gard 110V, w/Swivel Stand (Required for 3-A cert.)

0775 SaniFlo HS, Wil-Gard 220V, w/Swivel Stand (Required for 3-A cert.)

NOTE: MOST ELASTOMERIC MATERIALS USE COLORED DOTS FOR IDENTIFICATION.

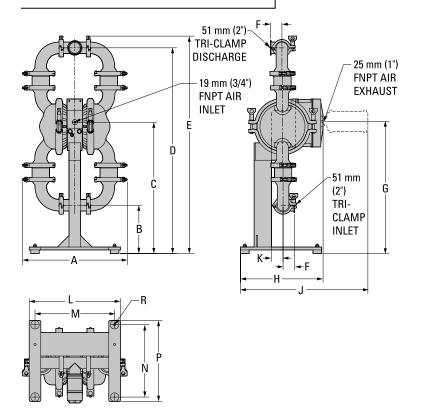
Viton® is a registered trademark of DuPont Dow Elastomers.





## **DIMENSIONAL DRAWINGS**

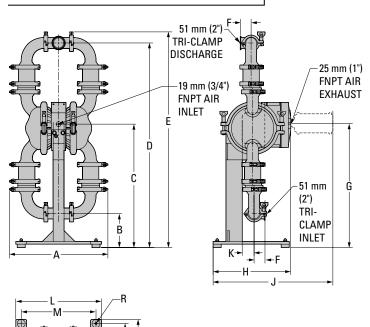
# PV8 Saniflo™ HS Fixed



### **DIMENSIONS**

| PV8 SANIFLO™ HS VERTICAL<br>FIXED WITH MUSHROOM OR BALL VALVE |             |                 |  |
|---|-------------|-----------------|--|
| ITEM  | METRIC (mm) | STANDARD (inch) |  |
| Α   | 460         | 18.1            |  |
| В   | 213         | 8.4             |  |
| С   | 577         | 22.7            |  |
| D   | 902         | 35.5            |  |
| E   | 955         | 37.6            |  |
| F   | 51          | 2.0             |  |
| G   | 579         | 22.8            |  |
| Н   | 363         | 14.3            |  |
| J   | 559         | 22.0            |  |
| K   | 46          | 1.8             |  |
| L   | 401         | 15.8            |  |
| М   | 351         | 13.8            |  |
| N   | 318         | 12.5            |  |
| Р   | 356         | 14.0            |  |
| R   | ø10         | ø0.4            |  |

# PV8 Saniflo™ HS Fixed



### **DIMENSIONS**

| PV8 SANIFLO™ HS VERTICAL<br>FIXED WITH FLAP VALVE |             |                 |
|---|-------------|-----------------|
| ITEM  | METRIC (mm) | STANDARD (inch) |
| Α   | 460         | 18.1            |
| В   | 160         | 6.3             |
| С   | 577         | 22.7            |
| D   | 955         | 37.6            |
| Е   | 1008        | 39.7            |
| F   | 51          | 2.0             |
| G   | 579         | 22.8            |
| Н   | 363         | 14.3            |
| J   | 559         | 22.0            |
| K   | 56          | 2.2             |
| L   | 401         | 15.8            |
| М   | 351         | 13.8            |
| N   | 318         | 12.5            |
| Р   | 356         | 14.0            |
| R   | ø10         | ø0.4            |





### PERFORMANCE

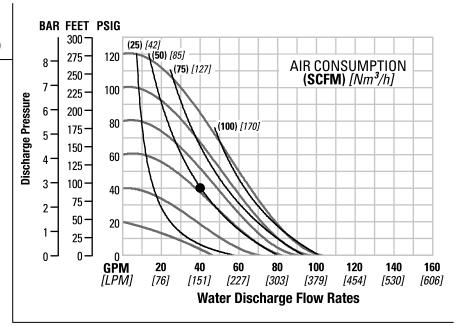
## PV8 SANIFLO™ HS SIPD-FITTED (SANITARY INTEGRAL PISTON DIAPHRAGM)

| 1008 mm (39.7")    |
|--------------------|
| .460 mm (18.1")    |
| . 398 mm (19.6")   |
| 49 (109 lbs.)      |
| 19 mm (3/4")       |
| 51 mm (2.0")       |
| 51 mm (2.0")       |
| .2.1 m Dry (6.8')  |
| 0.0 m Wet (29.5')  |
| 0.50 L (0.13 gal.) |
| pm (103.5 gpm)     |
|                    |
| 12.7 mm (1/2")     |
|                    |

<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.

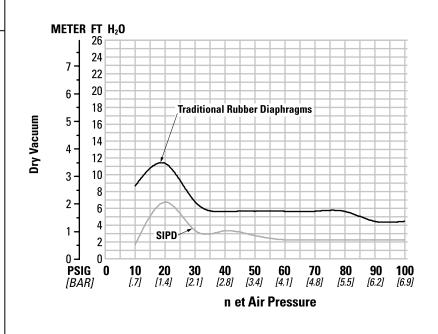
Example: To pump 151.4 lpm (40 gpm) against a discharge pressure head of 2.8 bar (40 psig) requires 4.5 bar (65 psig) and 85.0 Nm<sup>3</sup>/h (50 scfm) air consumption.

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



Flow rates indicated on chart were determined by pumping water with a vertically mounted, center ported ball check configuration. When alternate check valve options are used, multiply flow rate by appropriate factor. For optimum life and performance, pumps should be specified so that daily operation parameters will fall in the center of the pump curve.

## PV8 SANIFLO™ HS SUCTION LIFT CAPABILITY



Suction lift curves are calibrated for pumps operating at 305 m (1,000') above sea level. This chart is meant to be a guide only. There are many variables which can affect your pump's operating characteristics. The

number of intake and discharge elbows, viscosity of pumping fluid, elevation (atmospheric pressure) and pipe friction loss all affect the amount of suction lift your pump will attain.

Initially Issued: 6/22/1995 Authorization No.: 833



### This Is To Certify That

Wilden Pump & Engineering LLC 22069 Van Buren Street, Grand Terrace, CA 92313-5651

Is hereby authorized to continue to apply the 3-A Symbol to the models of equipment, conforming to 3-A Sanitary Standards for:

Diaphragm Pumps, Number: 44-03, set forth below:

Model Designations: See Attached List

Valid through: December 31, 2007

Timothy R. Rugh

Executive Director, 3-A Sanitary Standards, Inc.

\*\*\*\*

The issuance of this authorization for the use of the 3-A Symbol is based upon the voluntary certification, by the applicant for it, that the equipment listed above complies fully with the 3-A Sanitary Standards designated. Legal responsibility for compliance is solely that of the holder of this Certificate of Authorization, and 3-A Sanitary Standards, Inc. does not warrant that the holder of an authorization at all times complies with the provisions of the said 3-A Sanitary Standards. This in no way affects the responsibility of 3-A Sanitary Standards, Inc. to take appropriate action is cases in which evidence of nonconformance has been established.





CE COMPLIANCE



TNO Certification hereby declares that the product

Air operated double Diaphragm Pump type Saniflo HS size 1.0" to 3.0"

 $\mathcal{F}rom$ 

Wilden Pump & Engineering, LLC, Grand Terrace, USA

has been evaluated for compliance with the Hygienic Equipment Design Criteria of the EHEDG, Document No. 8, by:

> TNO Quality of Life at Zeist, Netherlands and meets the criteria of this document as demonstrated by:

> > Evaluation Report No. <u>V6621RE</u>

Evaluation Officer

Date June 15, 2006

Managing Director, TNO Certification

Date <u>June 15, 2006</u>



Certificate No. <u>CO6-8337</u>

TNO Certification BV, P.O. Box 541, 7300 AM Apeldoorn, Netherlands ©*EHEDG*