

# unidirectional pump - series XV

"HY" TYPE PUMP

ø32 BODY-SHAPED FLANGE - MILLED SHANK

**XV-1P**

|          |          |          |           |           |          |          |          |          |
|----------|----------|----------|-----------|-----------|----------|----------|----------|----------|
| <b>X</b> | <b>1</b> | <b>P</b> | <b>25</b> | <b>52</b> | <b>D</b> | <b>B</b> | <b>B</b> | <b>A</b> |
|----------|----------|----------|-----------|-----------|----------|----------|----------|----------|

|              |     |                                  |
|--------------|-----|----------------------------------|
| Series       | X   | series XV                        |
| Group        | 1   | group 1                          |
| Category     | P   | unidirectional pump              |
| Displacement | 25  | 3.8                              |
| Flange       | 52  | Ø32 HY right rotation            |
| Shaft        | D   | CF002 - Milled shank ø10 - thk.5 |
| Body         | IN  | B inlet - 3/8" GAS               |
|              | OUT | B outlet - 3/8" GAS              |
| Cover        | A   | standard                         |



XP140

Technical data table

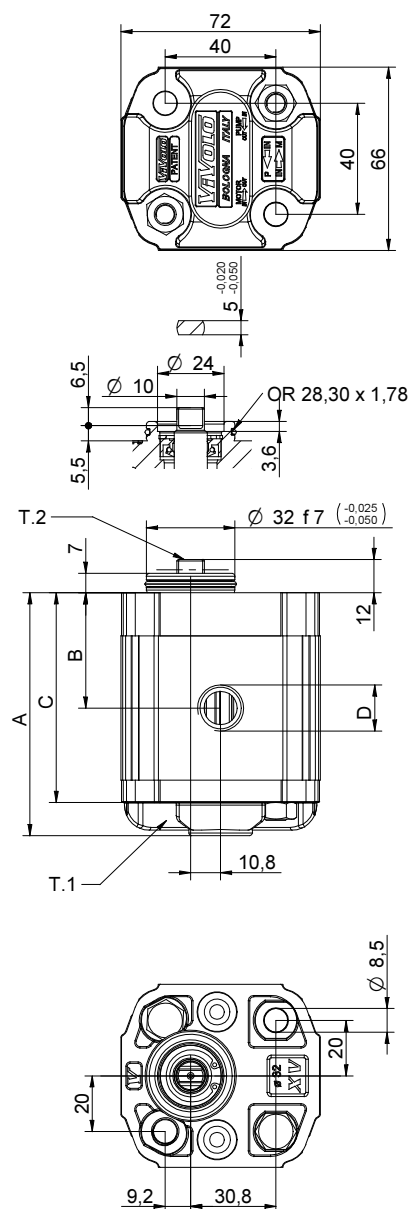
| TYPE      | Displacement | Max. Pressure |        | CODE                |                     |
|-----------|--------------|---------------|--------|---------------------|---------------------|
|           | cm3/rev      | P1 bar        | P3 bar | Left rotation       | Right rotation      |
| XV-1P/0.9 | 0,91         | 240           | 280    | X 1 P 16 51 D B B A | X 1 P 16 52 D B B A |
| XV-1P/1.2 | 1,17         | 250           | 290    | X 1 P 17 51 D B B A | X 1 P 17 52 D B B A |
| XV-1P/1.7 | 1,56         | 250           | 290    | X 1 P 18 51 D B B A | X 1 P 18 52 D B B A |
| XV-1P/2.2 | 2,08         | 250           | 290    | X 1 P 20 51 D B B A | X 1 P 20 52 D B B A |
| XV-1P/2.6 | 2,60         | 250           | 300    | X 1 P 21 51 D B B A | X 1 P 21 52 D B B A |
| XV-1P/3.2 | 3,12         | 250           | 300    | X 1 P 23 51 D B B A | X 1 P 23 52 D B B A |
| XV-1P/3.8 | 3,64         | 250           | 300    | X 1 P 25 51 D B B A | X 1 P 25 52 D B B A |
| XV-1P/4.3 | 4,16         | 250           | 300    | X 1 P 27 51 D B B A | X 1 P 27 52 D B B A |
| XV-1P/4.9 | 4,94         | 250           | 300    | X 1 P 29 51 D B B A | X 1 P 29 52 D B B A |
| XV-1P/5.9 | 5,85         | 250           | 300    | X 1 P 31 51 D B B A | X 1 P 31 52 D B B A |
| XV-1P/6.5 | 6,50         | 250           | 300    | X 1 P 32 51 D B B A | X 1 P 32 52 D B B A |
| XV-1P/7.8 | 7,54         | 220           | 260    | X 1 P 34 51 D B B A | X 1 P 34 52 D B B A |
| XV-1P/9.8 | 9,88         | 190           | 230    | X 1 P 36 51 D B B A | X 1 P 36 52 D B B A |

P1) Max. working pressure - P3) Max. peak pressure

For heavy-duty applications, it is recommended to check the admissible torque of the shaft

Dimensions table

| TYPE      | Weight | A     | B    | C    | D         | D         |
|-----------|--------|-------|------|------|-----------|-----------|
|           | kg     | mm    | mm   | mm   | IN        | OUT       |
| XV-1P/0.9 | 0,950  | 77,1  | 36,3 | 65,1 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/1.2 | 0,970  | 78,0  | 36,8 | 66,0 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/1.7 | 1,010  | 79,5  | 37,5 | 67,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/2.2 | 1,030  | 81,5  | 38,5 | 69,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/2.6 | 1,060  | 83,5  | 39,5 | 71,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/3.2 | 1,090  | 85,5  | 40,5 | 73,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/3.8 | 1,120  | 87,5  | 41,5 | 75,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/4.3 | 1,170  | 89,5  | 42,5 | 77,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/4.9 | 1,200  | 92,5  | 44,0 | 80,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/5.9 | 1,260  | 96,0  | 45,8 | 84,0 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/6.5 | 1,300  | 97,5  | 47,0 | 85,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/7.8 | 1,360  | 102,5 | 49,0 | 90,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/9.8 | 1,500  | 111,5 | 53,5 | 99,5 | 3/8" BSPP | 3/8" BSPP |



26/08/04 XP25520B8A.dft

T.1 = 24.5÷29.4 [Nm] - screw tightening torque M8

T.2 = 13.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

# Table of variations

**XV-1P**

## ø32 "HY" Body-Shaped FLANGE

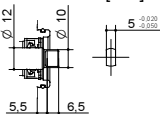
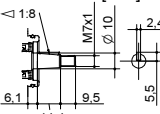
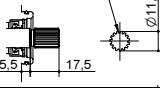
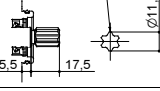
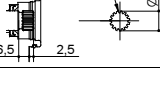
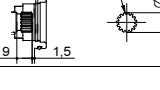
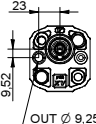
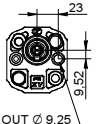
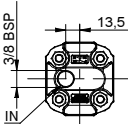
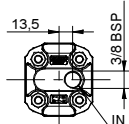
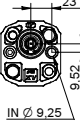
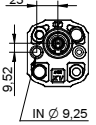
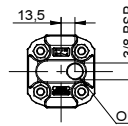
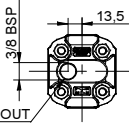
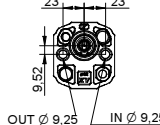
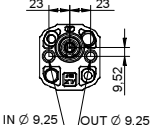
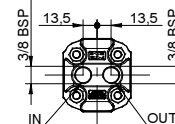
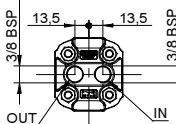
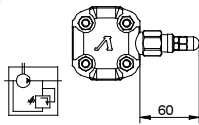
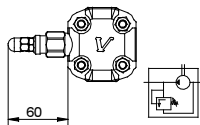
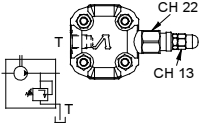
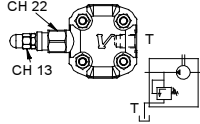
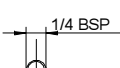
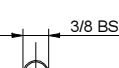
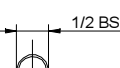
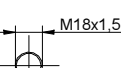
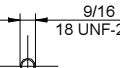
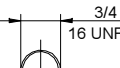
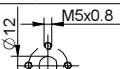
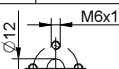
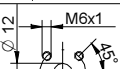
| ø32 "HY" Body-Shaped FLANGE                                                        |    |                                                                                    |    | Shaft                                                                                                                                  |   |                                                                                                                                                         |   | Cover                                                                                 |   |                                                                                       |  |
|------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------|--|
| Left rotation                                                                      |    | Right rotation                                                                     |    |                                                                                                                                        |   |                                                                                                                                                         |   | Left rotation                                                                         |   | Right rotation                                                                        |  |
|   | 51 |   | 52 | CF002 - Milled shank<br>T.2 = 13.8 [Nm]<br>           | D | CO001 - Tapered<br>T.2 = 43 [Nm]<br>                                   | F |    | A |    |  |
|                                                                                    |    |                                                                                    |    | SCF02 - Splined<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br> | L | SCF04 - Splined<br>T.2 = 22.6 [Nm]<br>m=1,6 Z=6<br>DIN 5482 - 12x9<br> | J |                                                                                       |   |                                                                                       |  |
|                                                                                    |    |                                                                                    |    | SCF01 - Splined<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br> | Q | SCF03 - Splined<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br>                  | R |                                                                                       |   |                                                                                       |  |
|                                                                                    |    |                                                                                    |    |                                                                                                                                        |   |                                                                                                                                                         |   |                                                                                       |   |                                                                                       |  |
|   | 53 |   | 54 |                                                                                                                                        |   |                                                                                                                                                         |   |    | B |    |  |
|   | 55 |   | 56 |                                                                                                                                        |   |                                                                                                                                                         |   |    | C |    |  |
|  | 57 |  | 58 |                                                                                                                                        |   |                                                                                                                                                         |   |   | D |   |  |
|                                                                                    |    |                                                                                    |    |                                                                                                                                        |   |                                                                                                                                                         |   |  | N |  |  |
|                                                                                    |    |                                                                                    |    |                                                                                                                                        |   |                                                                                                                                                         |   | Internal drainage                                                                     |   |                                                                                       |  |
|                                                                                    |    |                                                                                    |    |                                                                                                                                        |   |                                                                                                                                                         |   |  | O |  |  |
|                                                                                    |    |                                                                                    |    |                                                                                                                                        |   |                                                                                                                                                         |   | External drainage                                                                     |   |                                                                                       |  |

Table showing standard flange and thread combinations available in stock

| Body (threads/flanges)                                                              |   |                                                                                     |   |                                                                                     |   |                                                                                     |   |                                                                                      |   |                                                                                       |   |                                                                                       |   |
|-------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------|---|
|  | A |  | B |  | C |  | D |  | E |  | F |  | G |
|  | H |  | I |  | J | Closed Body                                                                         | Z |                                                                                      |   |                                                                                       |   |                                                                                       |   |
|                                                                                     |   |                                                                                     |   |                                                                                     |   |                                                                                     |   |                                                                                      |   |                                                                                       |   |                                                                                       |   |