

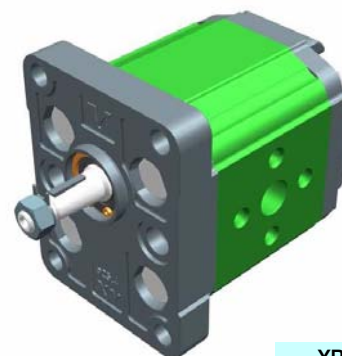
# unidirectional pump - series XV

STANDARD EUROPEAN PUMP  
ø25.4 FLANGE - TAPER SHAFT

XV-1P

**X 1 P 25 02 F I I A**

|              |     |                                                |
|--------------|-----|------------------------------------------------|
| Series       | X   | series XV                                      |
| Group        | 1   | group 1                                        |
| Category     | P   | unidirectional pump                            |
| Displacement | 25  | 3.8                                            |
| Flange       | 02  | Ø25.4 STANDARD EUROPEAN right rotation         |
| Shaft        | F   | CO001 - Tapered 1:8 - ø10 - M7x1 - key thk.2.4 |
| Body         | IN  | I inlet - Ø30 Ø12 M6                           |
|              | OUT | I outlet - Ø30 Ø12 M6                          |
| Cover        | A   | standard                                       |



XP101

Technical data table

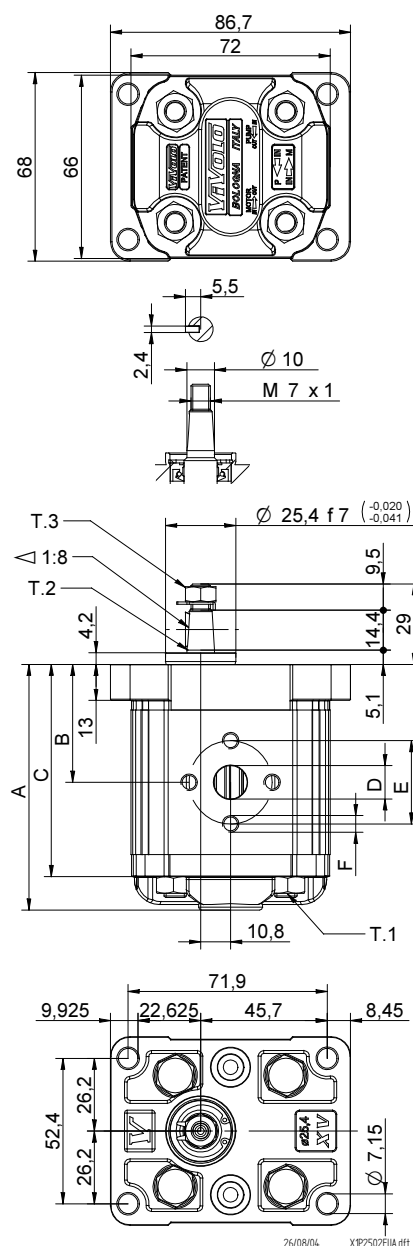
| TYPE      | Displacement<br>cm3/rev | Max. Pressure |        | CODE                |                     |
|-----------|-------------------------|---------------|--------|---------------------|---------------------|
|           |                         | P1 bar        | P3 bar | Left rotation       | Right rotation      |
| XV-1P/0.9 | 0,91                    | 240           | 280    | X 1 P 16 01 F I I A | X 1 P 16 02 F I I A |
| XV-1P/1.2 | 1,17                    | 250           | 290    | X 1 P 17 01 F I I A | X 1 P 17 02 F I I A |
| XV-1P/1.7 | 1,56                    | 250           | 290    | X 1 P 18 01 F I I A | X 1 P 18 02 F I I A |
| XV-1P/2.2 | 2,08                    | 250           | 290    | X 1 P 20 01 F I I A | X 1 P 20 02 F I I A |
| XV-1P/2.6 | 2,60                    | 250           | 300    | X 1 P 21 01 F I I A | X 1 P 21 02 F I I A |
| XV-1P/3.2 | 3,12                    | 250           | 300    | X 1 P 23 01 F I I A | X 1 P 23 02 F I I A |
| XV-1P/3.8 | 3,64                    | 250           | 300    | X 1 P 25 01 F I I A | X 1 P 25 02 F I I A |
| XV-1P/4.3 | 4,16                    | 250           | 300    | X 1 P 27 01 F I I A | X 1 P 27 02 F I I A |
| XV-1P/4.9 | 4,94                    | 250           | 300    | X 1 P 29 01 F I I A | X 1 P 29 02 F I I A |
| XV-1P/5.9 | 5,85                    | 250           | 300    | X 1 P 31 01 F I I A | X 1 P 31 02 F I I A |
| XV-1P/6.5 | 6,50                    | 250           | 300    | X 1 P 32 01 F I I A | X 1 P 32 02 F I I A |
| XV-1P/7.8 | 7,54                    | 220           | 260    | X 1 P 34 01 F I I A | X 1 P 34 02 F I I A |
| XV-1P/9.8 | 9,88                    | 190           | 230    | X 1 P 36 01 F I I A | X 1 P 36 02 F I I 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<br>kg | A     | B    | C     | D   | E  | F    | D   | E   | F    |
|-----------|--------------|-------|------|-------|-----|----|------|-----|-----|------|
|           |              | mm    | mm   | mm    | IN  | IN | IN   | OUT | OUT | OUT  |
| XV-1P/0.9 | 0,950        | 78,1  | 37,3 | 66,1  | ø12 | 30 | M6x1 | ø12 | 30  | M6x1 |
| XV-1P/1.2 | 0,970        | 79,0  | 37,8 | 67,0  | ø12 | 30 | M6x1 | ø12 | 30  | M6x1 |
| XV-1P/1.7 | 1,010        | 80,5  | 38,5 | 68,5  | ø12 | 30 | M6x1 | ø12 | 30  | M6x1 |
| XV-1P/2.2 | 1,030        | 82,5  | 39,5 | 70,5  | ø12 | 30 | M6x1 | ø12 | 30  | M6x1 |
| XV-1P/2.6 | 1,060        | 84,5  | 40,5 | 72,5  | ø12 | 30 | M6x1 | ø12 | 30  | M6x1 |
| XV-1P/3.2 | 1,090        | 86,5  | 41,5 | 74,5  | ø12 | 30 | M6x1 | ø12 | 30  | M6x1 |
| XV-1P/3.8 | 1,120        | 88,5  | 42,5 | 76,5  | ø12 | 30 | M6x1 | ø12 | 30  | M6x1 |
| XV-1P/4.3 | 1,170        | 90,5  | 43,5 | 78,5  | ø12 | 30 | M6x1 | ø12 | 30  | M6x1 |
| XV-1P/4.9 | 1,200        | 93,5  | 45,0 | 81,5  | ø12 | 30 | M6x1 | ø12 | 30  | M6x1 |
| XV-1P/5.9 | 1,260        | 97,0  | 46,8 | 85,0  | ø12 | 30 | M6x1 | ø12 | 30  | M6x1 |
| XV-1P/6.5 | 1,300        | 98,5  | 48,0 | 86,5  | ø12 | 30 | M6x1 | ø12 | 30  | M6x1 |
| XV-1P/7.8 | 1,360        | 103,5 | 50,0 | 91,5  | ø12 | 30 | M6x1 | ø12 | 30  | M6x1 |
| XV-1P/9.8 | 1,500        | 112,5 | 54,5 | 100,5 | ø12 | 30 | M6x1 | ø12 | 30  | M6x1 |



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

T.3 = 11.5 [Nm] - torque wrench setting 11

T.2 = 43 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

# Table of variations

**XV-1P**

## ø25.4 FLANGE

| ø25.4 FLANGE  |    |                |    | Shaft |   |  |   | Cover         |  |                |   |
|---------------|----|----------------|----|-------|---|--|---|---------------|--|----------------|---|
| Left rotation |    | Right rotation |    |       |   |  |   | Left rotation |  | Right rotation |   |
|               | 01 |                | 02 |       | F |  | D |               |  |                | A |
|               | 03 |                | 04 |       | J |  | L |               |  |                | B |
|               | 05 |                | 06 |       | Q |  | R |               |  |                | C |
|               | 07 |                | 08 |       |   |  |   |               |  |                | D |
|               |    |                |    |       |   |  |   |               |  |                | N |
|               |    |                |    |       |   |  |   |               |  |                | O |

| Displacement |      |
|--------------|------|
| TYPE         | CODE |
| XV-1P/0.9    | 16   |
| XV-1P/1.2    | 17   |
| XV-1P/1.7    | 18   |
| XV-1P/2.2    | 20   |
| XV-1P/2.6    | 21   |
| XV-1P/3.2    | 23   |
| XV-1P/3.8    | 25   |
| XV-1P/4.3    | 27   |
| XV-1P/4.9    | 29   |
| XV-1P/5.9    | 31   |
| XV-1P/6.5    | 32   |
| XV-1P/7.8    | 34   |
| XV-1P/9.8    | 36   |

| Standard bodies      |                                     |
|----------------------|-------------------------------------|
| Displacement cm3/rev | Standard threads                    |
| 0.9                  | I - I B - B J - J B - Z Z - Z G - F |
| 1.2                  | I - I B - B J - J B - Z Z - Z G - F |
| 1.7                  | I - I B - B J - J B - Z Z - Z G - F |
| 2.2                  | I - I B - B J - J B - Z Z - Z G - F |
| 2.6                  | I - I B - B J - J B - Z Z - Z G - F |
| 3.2                  | I - I B - B J - J B - Z Z - Z G - F |
| 3.8                  | I - I B - B J - J B - Z Z - Z G - F |
| 4.3                  | I - I B - B J - J B - Z Z - Z G - F |
| 4.9                  | I - I B - B J - J B - Z Z - Z G - F |
| 5.9                  | I - I B - B J - J B - Z Z - Z G - F |
| 6.5                  | I - I B - B J - J B - Z Z - Z G - F |
| 7.8                  | I - I B - B J - J B - Z Z - Z G - F |
| 9.8                  | I - I B - B J - J B - Z Z - Z G - F |

Table showing standard flange and thread combinations available in stock

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