

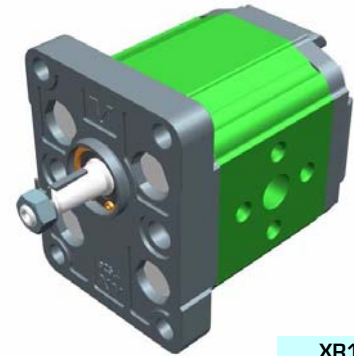
reversible pump - series XV

XV-1R

**STANDARD EUROPEAN PUMP
ø25.4 FLANGE - TAPER SHAFT**

X 1 R 25 01 F I I E

| | | |
|--------------|-----|--|
| Series | X | series XV |
| Group | 1 | group 1 |
| Category | R | reversible pump |
| Displacement | 25 | 3.8 |
| Flange | 01 | Ø25.4 STANDARD EUROPEAN reversible rotation |
| Shaft | F | CO001 - Tapered 1:8 - ø10 - M7x1 - key thk.2.4 |
| Body | IN | inlet - Ø30 Ø12 M6 |
| | OUT | outlet - Ø30 Ø12 M6 |
| Cover | E | with drainage 1/4" BSP |



XR101

Technical data table

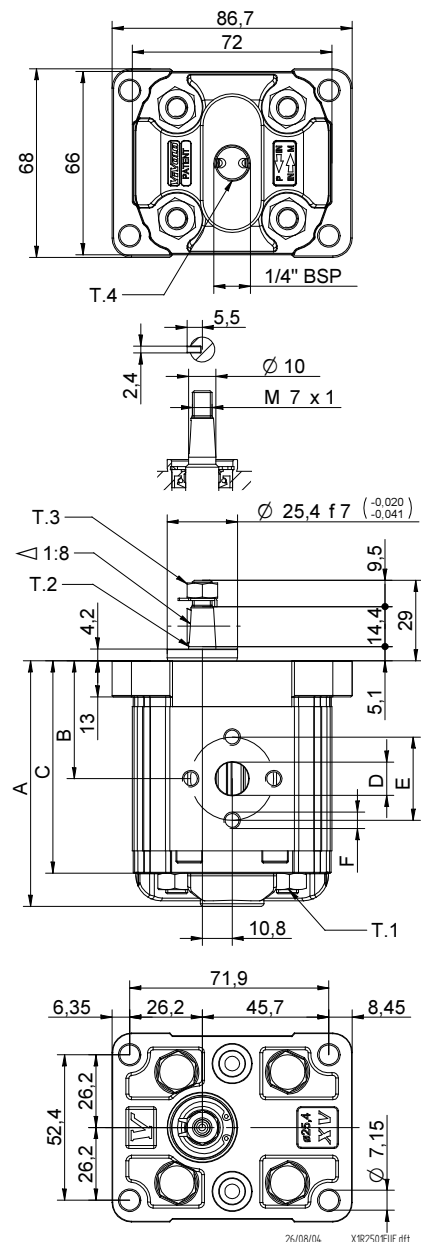
| TYPE | Displacement cm3/rev | Max. Pressure | | CODE | |
|-----------|-------------------------|---------------|--------|---------------------|---------------------|
| | | P1 bar | P3 bar | External drainage | Internal drainage |
| XV-1R/0.9 | 0,91 | 240 | 280 | X 1 R 16 01 F I I E | X 1 R 16 01 F I I F |
| XV-1R/1.2 | 1,17 | 250 | 290 | X 1 R 17 01 F I I E | X 1 R 17 01 F I I F |
| XV-1R/1.7 | 1,56 | 250 | 290 | X 1 R 18 01 F I I E | X 1 R 18 01 F I I F |
| XV-1R/2.2 | 2,08 | 250 | 290 | X 1 R 20 01 F I I E | X 1 R 20 01 F I I F |
| XV-1R/2.6 | 2,60 | 250 | 300 | X 1 R 21 01 F I I E | X 1 R 21 01 F I I F |
| XV-1R/3.2 | 3,12 | 250 | 300 | X 1 R 23 01 F I I E | X 1 R 23 01 F I I F |
| XV-1R/3.8 | 3,64 | 250 | 300 | X 1 R 25 01 F I I E | X 1 R 25 01 F I I F |
| XV-1R/4.3 | 4,16 | 250 | 300 | X 1 R 27 01 F I I E | X 1 R 27 01 F I I F |
| XV-1R/4.9 | 4,94 | 250 | 300 | X 1 R 29 01 F I I E | X 1 R 29 01 F I I F |
| XV-1R/5.9 | 5,85 | 250 | 300 | X 1 R 31 01 F I I E | X 1 R 31 01 F I I F |
| XV-1R/6.5 | 6,50 | 250 | 300 | X 1 R 32 01 F I I E | X 1 R 32 01 F I I F |
| XV-1R/7.8 | 7,54 | 220 | 260 | X 1 R 34 01 F I I E | X 1 R 34 01 F I I F |
| XV-1R/9.8 | 9,88 | 190 | 230 | X 1 R 36 01 F I I E | X 1 R 36 01 F I I F |

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 kg | A | B | C | D | E | F | D | E | F |
|-----------|--------------|-------|------|-------|-----|----|------|-----|----|------|
| | | mm | mm | mm | IN | | | OUT | | |
| XV-1R/0.9 | 0,950 | 78,1 | 37,3 | 66,1 | ø12 | 30 | M6x1 | ø12 | 30 | M6x1 |
| XV-1R/1.2 | 0,970 | 79,0 | 37,8 | 67,0 | ø12 | 30 | M6x1 | ø12 | 30 | M6x1 |
| XV-1R/1.7 | 1,010 | 80,5 | 38,5 | 68,5 | ø12 | 30 | M6x1 | ø12 | 30 | M6x1 |
| XV-1R/2.2 | 1,030 | 82,5 | 39,5 | 70,5 | ø12 | 30 | M6x1 | ø12 | 30 | M6x1 |
| XV-1R/2.6 | 1,060 | 84,5 | 40,5 | 72,5 | ø12 | 30 | M6x1 | ø12 | 30 | M6x1 |
| XV-1R/3.2 | 1,090 | 86,5 | 41,5 | 74,5 | ø12 | 30 | M6x1 | ø12 | 30 | M6x1 |
| XV-1R/3.8 | 1,120 | 88,5 | 42,5 | 76,5 | ø12 | 30 | M6x1 | ø12 | 30 | M6x1 |
| XV-1R/4.3 | 1,170 | 90,5 | 43,5 | 78,5 | ø12 | 30 | M6x1 | ø12 | 30 | M6x1 |
| XV-1R/4.9 | 1,200 | 93,5 | 45,0 | 81,5 | ø12 | 30 | M6x1 | ø12 | 30 | M6x1 |
| XV-1R/5.9 | 1,260 | 97,0 | 46,8 | 85,0 | ø12 | 30 | M6x1 | ø12 | 30 | M6x1 |
| XV-1R/6.5 | 1,300 | 98,5 | 48,0 | 86,5 | ø12 | 30 | M6x1 | ø12 | 30 | M6x1 |
| XV-1R/7.8 | 1,360 | 103,5 | 50,0 | 91,5 | ø12 | 30 | M6x1 | ø12 | 30 | M6x1 |
| XV-1R/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


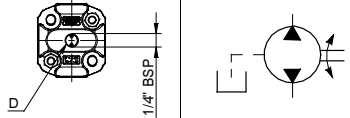
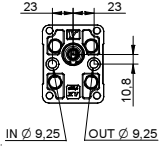

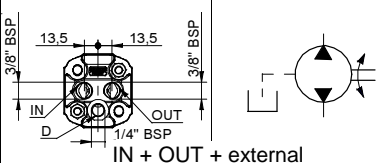
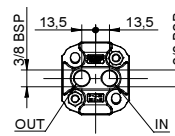
T.2 = 43 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

T.4 = 0.3÷0.5 bar - max. drainage pressure

Table of variations

XV-1R

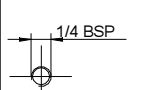
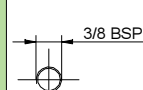
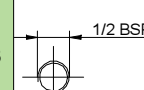
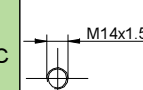
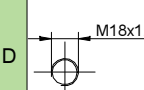
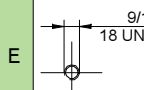
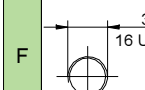
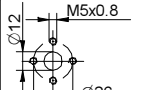
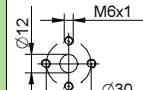
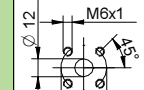
ø25.4 FLANGE

| ø25.4 FLANGE | | Shaft | | Cover | | | |
|---|--|----------------------------------|------------------------------------|---|------------------------------------|--|--|
|  | 01 | CO001 - Tapered T.2 = 43 [Nm] | F | CF002 - Milled shank T.2 = 13.8 [Nm] | D |  External drainage | E |
| |  IN Ø 9,25 OUT Ø 9,25 | 04 | SCF04 - Splined T.2 = 22.6 [Nm] | J | SCF02 - Splined T.2 = 42.8 [Nm] | L |  Internal drainage |
| SCF01 - Splined T.2 = 42.8 [Nm] | | | Q | SCF03 - Splined T.2 = 42.8 [Nm] | R |  IN + OUT + external | K |
|  IN + OUT + internal | | | L | | | | |

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

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

Table showing standard flange and thread combinations available in stock

| Body (threads/flanges) | | | | | | | | | | | | | |
|---|---|--|---|--|---|--|---|---|---|---|---|--|---|
|  1/4 BSP | A |  3/8 BSP | B |  1/2 BSP | C |  M14x1.5 | D |  M18x1.5 | E |  9/16 18 UNF-2B | F |  3/4 16 UNF-2B | G |
|  M5x0.8 | H |  M6x1 | I |  M6x1 | J | Closed Body | Z | | | | | | |