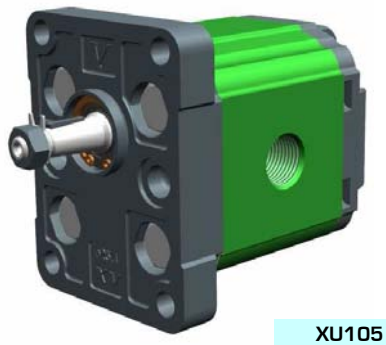
| X | 1 | U | 25 | 02 | F | B | B | A |
|---|---|---|---|---|---|---|---|---|

| | | |
|---|---|---|
| Series | X | series XV |
| Group | 1 | group 1 |
| Category | U | unidirectional motor |
| 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 | B | inlet - 3/8" GAS |
| Body OUT | B | outlet - 3/8" GAS |
| Cover | A | standard |



XU105

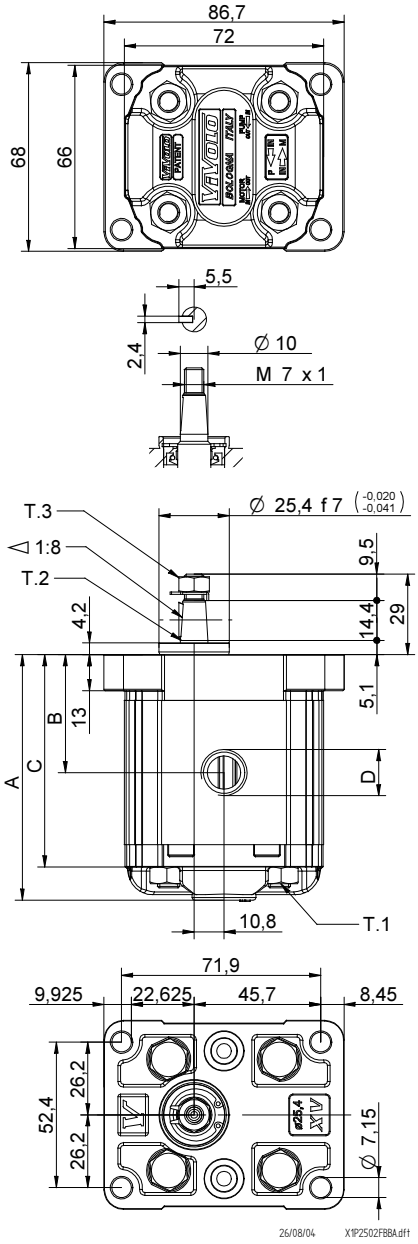
Technical data table

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

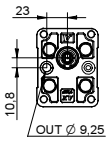
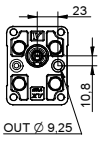
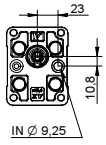
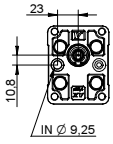
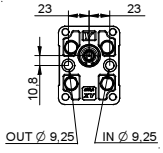
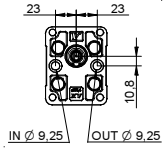


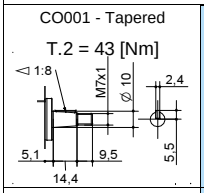
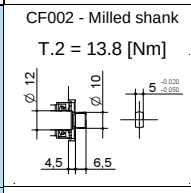
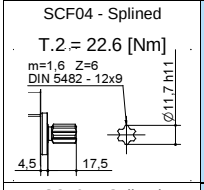
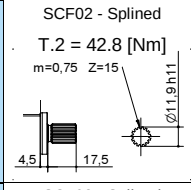
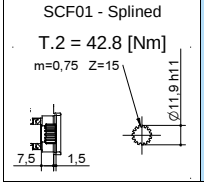
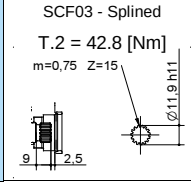

T.1 = 24.5÷29.4 [Nm] - screw tightening torque M8 T.3 = 11.5 [Nm] - torque wrench setting 11
T.2 = 43 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

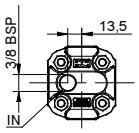
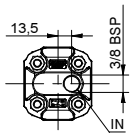
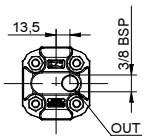
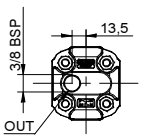
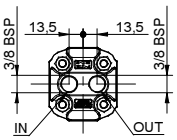
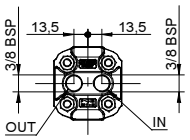
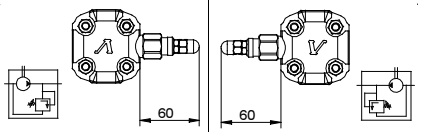
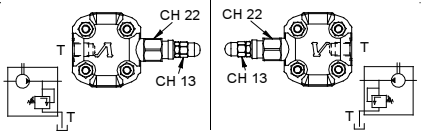
# Table of variations

## ø25.4 FLANGE

**XV-1U**

| ø25.4 FLANGE | | | |
|---|---|---|---|
| Left rotation | | Right rotation | |
|  | 01 |  | 02 |
|  | 03 |  | 04 |
|  | 05 |  | 06 |
|  | 07 |  | 08 |

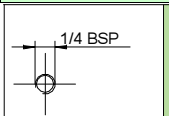
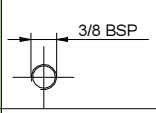
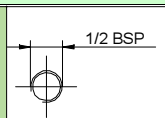
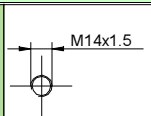
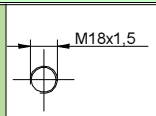
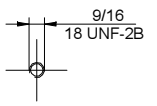
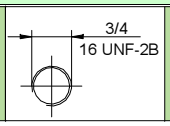
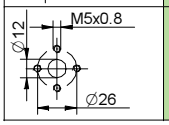
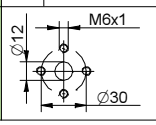
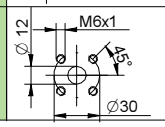
| Shaft | | | |
|---|---|---|---|
|  | F |  | D |
|  | J |  | L |
|  | Q |  | R |

| Cover | | |
|---|---|---|
| Left rotation | Right rotation | |
|  |  | A |
|  |  | B |
|  |  | C |
|  |  | D |
|  Internal drainage | | N |
|  External drainage | | O |

| Displacement | |
|---|---|
| TYPE | CODE |
| XV-1U/0.9 | **16** |
| XV-1U/1.2 | **17** |
| XV-1U/1.7 | **18** |
| XV-1U/2.2 | **20** |
| XV-1U/2.6 | **21** |
| XV-1U/3.2 | **23** |
| XV-1U/3.8 | **25** |
| XV-1U/4.3 | **27** |
| XV-1U/4.9 | **29** |
| XV-1U/5.9 | **31** |
| XV-1U/6.5 | **32** |
| XV-1U/7.8 | **34** |
| XV-1U/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 |  | G |
|  | H |  | I |  | J | Closed Body | Z | | | | | | | |