

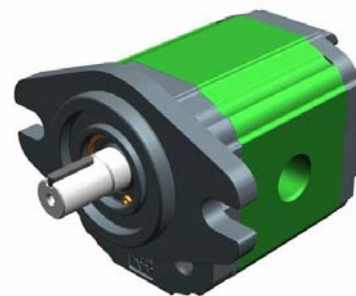
# reversible motor - series XV

SAE AA TYPE MOTOR  
 ø50.8 FLANGE - PARALLEL SHAFT

**XV-1M**

|          |          |          |           |           |          |          |          |          |
|----------|----------|----------|-----------|-----------|----------|----------|----------|----------|
| <b>X</b> | <b>1</b> | <b>M</b> | <b>25</b> | <b>61</b> | <b>B</b> | <b>B</b> | <b>B</b> | <b>E</b> |
|----------|----------|----------|-----------|-----------|----------|----------|----------|----------|

|              |     |                                                |
|--------------|-----|------------------------------------------------|
| Series       | X   | series XV                                      |
| Group        | 1   | group 1                                        |
| Category     | M   | reversible motor                               |
| Displacement | 25  | 3.8                                            |
| Flange       | 61  | Ø50.8 SAE AA reversible rotation               |
| Shaft        | B   | CI002 - Parallel ø12.7 - key thk. 3.2 (SAE AA) |
| Body         | IN  | B inlet - 3/8" GAS                             |
|              | OUT | B outlet - 3/8" GAS                            |
| Cover        | E   | with drainage 1/4" BSP                         |



**XM168**

Technical data table

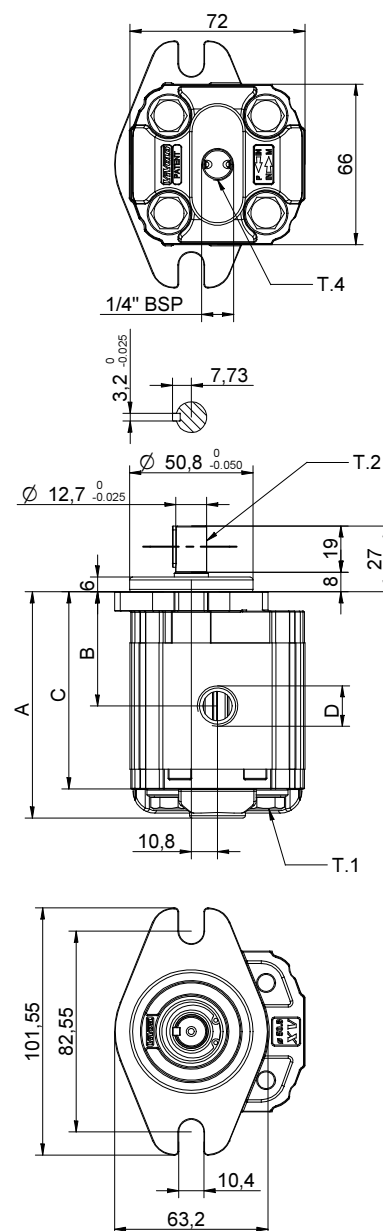
| TYPE      | Displacement | Max. Pressure |        | CODE                |                     |
|-----------|--------------|---------------|--------|---------------------|---------------------|
|           | cm3/rev      | P1 bar        | P3 bar | External drainage   | Internal drainage   |
| XV-1M/0.9 | 0,91         | 240           | 280    | X 1 M 16 61 B B B E | X 1 M 16 61 B B B F |
| XV-1M/1.2 | 1,17         | 250           | 290    | X 1 M 17 61 B B B E | X 1 M 17 61 B B B F |
| XV-1M/1.7 | 1,56         | 250           | 290    | X 1 M 18 61 B B B E | X 1 M 18 61 B B B F |
| XV-1M/2.2 | 2,08         | 250           | 290    | X 1 M 20 61 B B B E | X 1 M 20 61 B B B F |
| XV-1M/2.6 | 2,60         | 250           | 300    | X 1 M 21 61 B B B E | X 1 M 21 61 B B B F |
| XV-1M/3.2 | 3,12         | 250           | 300    | X 1 M 23 61 B B B E | X 1 M 23 61 B B B F |
| XV-1M/3.8 | 3,64         | 250           | 300    | X 1 M 25 61 B B B E | X 1 M 25 61 B B B F |
| XV-1M/4.3 | 4,16         | 250           | 300    | X 1 M 27 61 B B B E | X 1 M 27 61 B B B F |
| XV-1M/4.9 | 4,94         | 250           | 300    | X 1 M 29 61 B B B E | X 1 M 29 61 B B B F |
| XV-1M/5.9 | 5,85         | 250           | 300    | X 1 M 31 61 B B B E | X 1 M 31 61 B B B F |
| XV-1M/6.5 | 6,50         | 250           | 300    | X 1 M 32 61 B B B E | X 1 M 32 61 B B B F |
| XV-1M/7.8 | 7,54         | 220           | 260    | X 1 M 34 61 B B B E | X 1 M 34 61 B B B F |
| XV-1M/9.8 | 9,88         | 190           | 230    | X 1 M 36 61 B B B E | X 1 M 36 61 B B B 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 | A     | B    | C     | D         | D         |
|-----------|--------|-------|------|-------|-----------|-----------|
|           | kg     | mm    | mm   | mm    | IN        | OUT       |
| XV-1M/0.9 | 1,000  | 82,6  | 41,8 | 70,6  | 3/8" BSPP | 3/8" BSPP |
| XV-1M/1.2 | 1,020  | 83,5  | 42,3 | 71,5  | 3/8" BSPP | 3/8" BSPP |
| XV-1M/1.7 | 1,060  | 85,0  | 43,0 | 73,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1M/2.2 | 1,080  | 87,0  | 44,0 | 75,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1M/2.6 | 1,110  | 89,0  | 45,0 | 77,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1M/3.2 | 1,140  | 91,0  | 46,0 | 79,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1M/3.8 | 1,170  | 93,0  | 47,0 | 81,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1M/4.3 | 1,220  | 95,0  | 48,0 | 83,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1M/4.9 | 1,250  | 98,0  | 49,5 | 86,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1M/5.9 | 1,310  | 101,5 | 51,3 | 89,5  | 3/8" BSPP | 3/8" BSPP |
| XV-1M/6.5 | 1,350  | 105,0 | 52,5 | 93,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1M/7.8 | 1,410  | 108,0 | 54,5 | 96,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1M/9.8 | 1,550  | 117,0 | 59,0 | 105,0 | 3/8" BSPP | 3/8" BSPP |



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

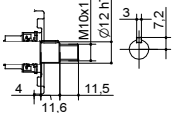
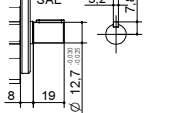
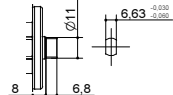
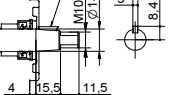
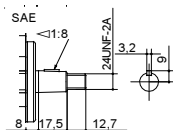
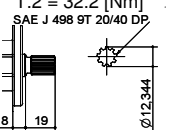
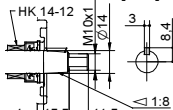
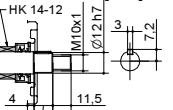
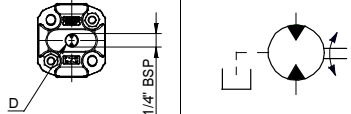
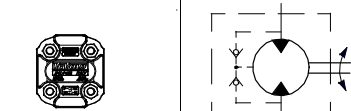
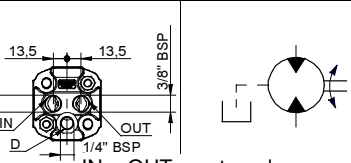
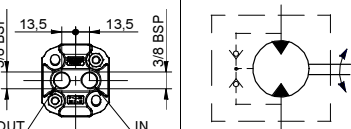
T.2 = 32.8 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

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

# Table of variations

ø50.8 FLANGE "SAE AA"

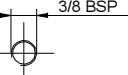
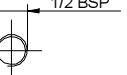
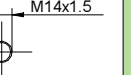
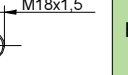
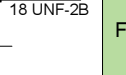
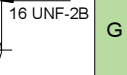
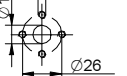
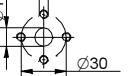
XV-1M

| ø50.8 FLANGE "SAE AA"                                                                |    | Shaft                                                                                                                                    |   | Cover                                                                                                                                            |   |
|--------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------|---|
|     | 61 | CI001 - Parallel<br>T.2 = 25.8 [Nm]<br>                 | A | CI002 - Parallel<br>T.2 = 32.8 [Nm]<br>SAE<br>                  | B |
|                                                                                      |    | CF003 - Milled shank<br>T.2 = 25.9 [Nm]<br>SAE<br>      | E | CO002 - Tapered<br>T.2 = 119.8 [Nm]<br>                         | G |
|                                                                                      |    |                                                         | I | SCF05 - Splined<br>T.2 = 32.2 [Nm]<br>SAE J 498 9T 20/40 DP<br> | K |
|                                                                                      |    | CO002+HK - Tapered<br>T.2 = 119.8 [Nm]<br>HK 14-12<br> | O | CI001+HK - Parallel<br>T.2 = 25.8 [Nm]<br>HK 14-12<br>         | P |
|   |    | E                                                                                                                                        |   |                                                                                                                                                  |   |
|   |    | F                                                                                                                                        |   |                                                                                                                                                  |   |
|   |    | K                                                                                                                                        |   |                                                                                                                                                  |   |
|  |    | L                                                                                                                                        |   |                                                                                                                                                  |   |

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

| Standard bodies      |                  |       |       |       |
|----------------------|------------------|-------|-------|-------|
| Displacement cm3/rev | Standard threads |       |       |       |
| 0.9                  | I - I            | B - B | J - J | Z - Z |
| 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)                                                              |   |                                                                                     |   |                                                                                     |   |                                                                                     |   |                                                                                      |   |                                                                                       |   |                                                                                       |   |
|-------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------|---|
|  | A |  | B |  | C |  | D |  | E |  | F |  | G |
|  | H |  | I |  | J | Closed Body                                                                         | Z |                                                                                      |   |                                                                                       |   |                                                                                       |   |