

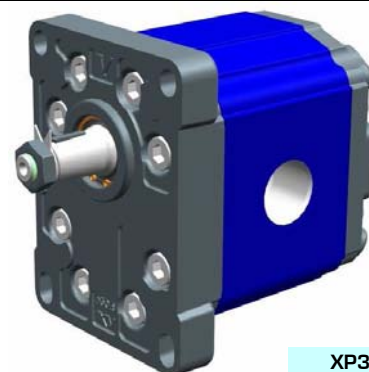
# unidirectional pump - series XV

STANDARD EUROPEAN PUMP  
ø50.8 FLANGE - TAPER SHAFT

XV-3P

**X 3 P 78 02 A E E A**

|              |     |                                       |
|--------------|-----|---------------------------------------|
| Series       | X   | series XV                             |
| Group        | 3   | group 3                               |
| Category     | P   | unidirectional pump                   |
| Displacement | 78  | 38                                    |
| Flange       | 02  | Ø50.8 right rotation                  |
| Shaft        | A   | CO001 - Tapered 1:8 - ø22 - key thk.4 |
| Body         | IN  | E inlet - 1" BSP                      |
|              | OUT | E outlet - 1" BSP                     |
| Cover        | A   | standard                              |



XP302

Technical data table

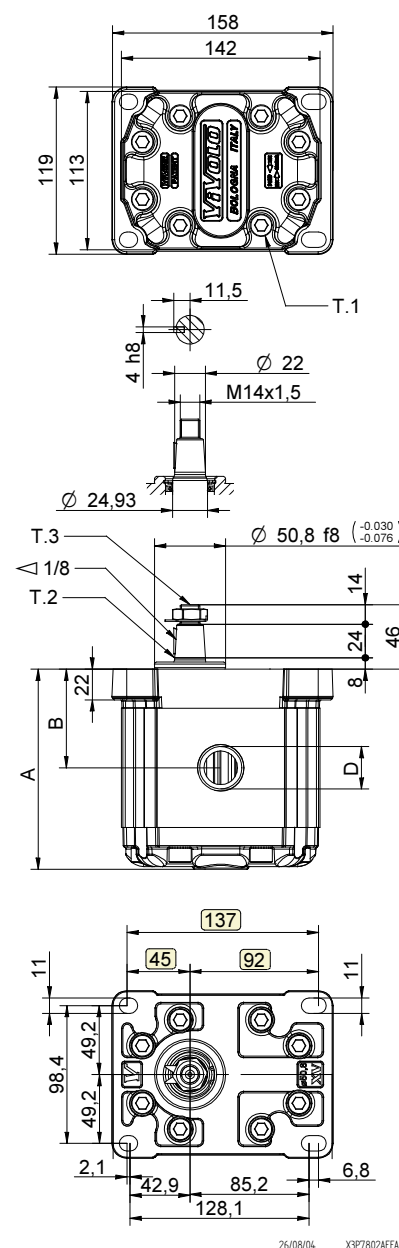
| TYPE     | Displacement | Max. Pressure |        | CODE                |                     |
|----------|--------------|---------------|--------|---------------------|---------------------|
|          | cm3/rev      | P1 bar        | P3 bar | Left rotation       | Right rotation      |
| XV-3P/15 | 14,89        | 300           | 320    | X 3 P 66 01 A D D A | X 3 P 66 02 A D D A |
| XV-3P/18 | 17,37        | 300           | 320    | X 3 P 68 01 A D D A | X 3 P 68 02 A D D A |
| XV-3P/21 | 21,10        | 280           | 300    | X 3 P 70 01 A D D A | X 3 P 70 02 A D D A |
| XV-3P/27 | 26,97        | 250           | 270    | X 3 P 72 01 A E E A | X 3 P 72 02 A E E A |
| XV-3P/32 | 32,27        | 250           | 270    | X 3 P 74 01 A E E A | X 3 P 74 02 A E E A |
| XV-3P/38 | 38,47        | 250           | 270    | X 3 P 78 01 A E E A | X 3 P 78 02 A E E A |
| XV-3P/43 | 43,44        | 250           | 270    | X 3 P 79 01 A E E A | X 3 P 79 02 A E E A |
| XV-3P/47 | 47,16        | 230           | 250    | X 3 P 80 01 A E E A | X 3 P 80 02 A E E A |
| XV-3P/51 | 50,88        | 230           | 250    | X 3 P 81 01 A E E A | X 3 P 81 02 A E E A |
| XV-3P/54 | 54,60        | 230           | 250    | X 3 P 82 01 A E E A | X 3 P 82 02 A E E A |
| XV-3P/61 | 60,81        | 230           | 250    | X 3 P 83 01 A F F A | X 3 P 83 02 A F F A |
| XV-3P/64 | 64,53        | 210           | 230    | X 3 P 85 01 A F F A | X 3 P 85 02 A F F A |
| XV-3P/70 | 70,74        | 200           | 220    | X 3 P 86 01 A F F A | X 3 P 86 02 A F F A |
| XV-3P/74 | 74,46        | 180           | 200    | X 3 P 87 01 A F F A | X 3 P 87 02 A F F A |
| XV-3P/90 | 86,87        | 150           | 170    | X 3 P 89 01 A F F A | X 3 P 89 02 A F F 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    | D           | D           |
|----------|--------|-------|------|-------------|-------------|
|          | kg     | mm    | mm   | IN          | OUT         |
| XV-3P/15 | 7,010  | 124,0 | 61,0 | 3/4" BSPP   | 3/4" BSPP   |
| XV-3P/18 | 7,070  | 126,0 | 62,0 | 3/4" BSPP   | 3/4" BSPP   |
| XV-3P/21 | 7,150  | 129,0 | 63,5 | 3/4" BSPP   | 3/4" BSPP   |
| XV-3P/27 | 7,250  | 133,0 | 65,5 | 1" BSPP     | 1" BSPP     |
| XV-3P/32 | 7,390  | 138,0 | 68,0 | 1" BSPP     | 1" BSPP     |
| XV-3P/38 | 7,520  | 143,0 | 70,5 | 1" BSPP     | 1" BSPP     |
| XV-3P/43 | 7,630  | 147,0 | 72,5 | 1" BSPP     | 1" BSPP     |
| XV-3P/47 | 7,710  | 150,0 | 74,0 | 1" BSPP     | 1" BSPP     |
| XV-3P/51 | 7,790  | 153,0 | 75,5 | 1" BSPP     | 1" BSPP     |
| XV-3P/54 | 7,870  | 156,0 | 77,0 | 1" BSPP     | 1" BSPP     |
| XV-3P/61 | 8,010  | 161,0 | 79,5 | 1" 1/4 BSPP | 1" 1/4 BSPP |
| XV-3P/64 | 8,090  | 164,0 | 81,0 | 1" 1/4 BSPP | 1" 1/4 BSPP |
| XV-3P/70 | 8,220  | 169,0 | 83,5 | 1" 1/4 BSPP | 1" 1/4 BSPP |
| XV-3P/74 | 8,300  | 172,0 | 85,0 | 1" 1/4 BSPP | 1" 1/4 BSPP |
| XV-3P/90 | 8,570  | 182,0 | 90,0 | 1" 1/4 BSPP | 1" 1/4 BSPP |



T.1 = 60÷65 [Nm] - screw tightening torque M10

T.3 = 75 [Nm] - torque wrench setting 22

T.2 = 482 [Nm] - admissible shaft torque (N.B. When choosing a shaft, always check the admissible torque).

# Table of variations

**XV-3P**

## ø50.8 FLANGE

| ø50.8 FLANGE  |  |                |  | Shaft                                 |  |                                        |  | Cover         |  |                |  |
|---------------|--|----------------|--|---------------------------------------|--|----------------------------------------|--|---------------|--|----------------|--|
| Left rotation |  | Right rotation |  |                                       |  |                                        |  | Left rotation |  | Right rotation |  |
|               |  |                |  | CO001 - Tapered<br>T.2 = 482 [Nm]<br> |  | CI001 - Parallel<br>T.2 = 181 [Nm]<br> |  |               |  |                |  |
| 01            |  | 02             |  | A                                     |  | B                                      |  | A             |  | A              |  |
|               |  |                |  | SCF03 - Splined<br>T.2 = 223 [Nm]<br> |  | CI004 - Parallel<br>T.2 = 180 [Nm]<br> |  |               |  |                |  |
|               |  |                |  | C                                     |  | H                                      |  | B             |  | B              |  |
|               |  |                |  | SCF04 - Splined<br>T.2 = 264 [Nm]<br> |  |                                        |  |               |  |                |  |
|               |  |                |  | I                                     |  |                                        |  | C             |  | C              |  |
|               |  |                |  |                                       |  |                                        |  |               |  |                |  |
|               |  |                |  |                                       |  |                                        |  | D             |  | D              |  |

| Displacement |      |
|--------------|------|
| TYPE         | CODE |
| XV-3P/15     | 66   |
| XV-3P/18     | 68   |
| XV-3P/21     | 70   |
| XV-3P/27     | 72   |
| XV-3P/32     | 74   |
| XV-3P/38     | 78   |
| XV-3P/43     | 79   |
| XV-3P/47     | 80   |
| XV-3P/51     | 81   |
| XV-3P/54     | 82   |
| XV-3P/61     | 83   |
| XV-3P/64     | 85   |
| XV-3P/70     | 86   |
| XV-3P/74     | 87   |
| XV-3P/90     | 89   |

| Standard bodies      |                  |       |       |  |
|----------------------|------------------|-------|-------|--|
| Displacement cm3/rev | Standard threads |       |       |  |
| 15                   | A - A            | D - D | H - H |  |
| 18                   | A - A            | D - D | H - H |  |
| 21                   | A - A            | D - D | H - H |  |
| 27                   | A - A            | E - E | H - H |  |
| 32                   | B - B            | E - E | H - H |  |
| 38                   | B - B            | E - E | H - H |  |
| 43                   | B - B            | E - E | H - H |  |
| 47                   | B - B            | E - E | H - H |  |
| 51                   | B - B            | E - E | H - H |  |
| 54                   | B - B            | E - E | H - H |  |
| 61                   | C - C            | F - F |       |  |
| 64                   | C - C            | F - F |       |  |
| 70                   | C - C            | F - F |       |  |
| 74                   | C - C            | F - F |       |  |
| 90                   | C - C            | F - F |       |  |

Table showing standard flange and thread combinations available in stock

| Body (threads/flanges) |   |  |   |  |   |  |   |  |   |  |   |
|------------------------|---|--|---|--|---|--|---|--|---|--|---|
|                        | A |  | B |  | C |  | D |  | E |  | F |
|                        | H |  | I |  | L |  | M |  | N |  | O |
| Closed Body            | Z |  |   |  |   |  |   |  |   |  |   |