

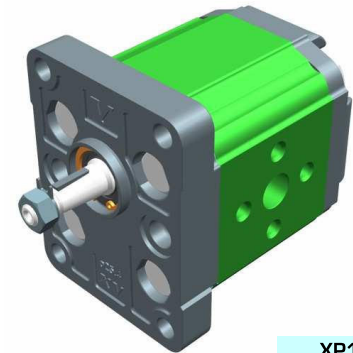
# einseitig drehende Pumpe - Serie XV

EUROPÄISCHE STANDARDPUMPE  
FLANSCH ø25.4 - KEGELWELLE

**XV-1P**

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

|           |     |  |
|-----------|-----|--|
| Serie     | X   | Serie XV   |
| Gruppe    | 1   | Gruppe 1   |
| Kategorie | P   | einseitig drehende Pumpe                                   |
| Hubraum   | 25  | 3.8  |
| Flansch   | 02  | Ø25.4 EUROPÄISCHER STANDARD Drehrichtung rechts            |
| Welle     | F   | CO001 - Konisch 1:8 - ø10 - M7x1 - Scheibenfeder Dicke 2.4 |
| Gehäuse   | IN  | I Ansaugung - Ø30 Ø12 M6                                   |
|           | OUT | I Druckseite - Ø30 Ø12 M6                                  |
| Deckel    | A   | Standard   |



XP101

## Technische Datentabelle

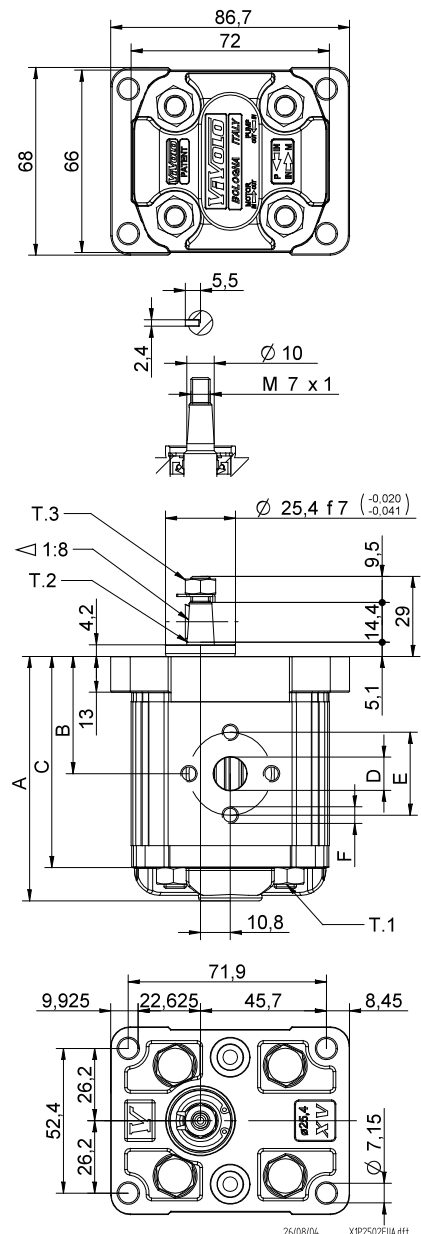
| TYP       | Hubraum | Maximaldruck       |        | CODE                |                     |
|-----------|---------|--------------------|--------|---------------------|---------------------|
|           |         | cm <sup>3</sup> /u | P1 bar | P3 bar              | Drehung links       |
| XV-1P/0.9 | 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. Betriebsdruck - P3) Max. Druckspitze

Für schwere Anwendungen empfiehlt sich eine Prüfung des zulässigen Wellendrehmoments

## Dimensionstabelle

| TYP       | Gewicht | A     | B    | C     | D   | E   | F    | D   | E  | F    |
|-----------|---------|-------|------|-------|-----|-----|------|-----|----|------|
|           |         | mm    | mm   | mm    | IN  | OUT | IN   | OUT | IN | 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] - Anzugsmoment - Schrauben M8

T.3 = 11.5 [Nm] - Anzugsmoment - Schlüssel 11

T.2 = 43 [Nm] - zulässiges Wellendrehmoment (N.B. Zur Auswahl der Welle stets das zulässige Drehmoment prüfen).

# Tabelle der Varianten

FLANSCH  $\varnothing 25.4$

**XV-1P**

| FLANSCH $\varnothing 25.4$ |                | Welle  |   | Deckel        |                |
|----------------------------|----------------|--|---|---------------|----------------|
| Drehung links              | Drehung rechts |  |   | Drehung links | Drehung rechts |
|                            |                | CO001 - Konisch<br>T.2 = 43 [Nm]<br>                                   | 002 - mit gefrästem Endstü<br>T.2 = 13.8 [Nm]<br>     |               |                |
|                            |                | SCF04 - genutet<br>T.2 = 22.6 [Nm]<br>m=1,6 Z=6<br>DIN 5482 - 12x9<br> | SCF02 - genutet<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br> |               |                |
|                            |                | SCF01 - genutet<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br>                  | SCF03 - genutet<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br> |               |                |
|                            |                |  |   |               |                |

| Hubraum   |      |
|-----------|------|
| TYP       | 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   |

| Gehäuse Standard |       |                 |       |       |       |       |  |
|------------------|-------|-----------------|-------|-------|-------|-------|--|
| Hubraum          | cm3/u | Standardgewinde |       |       |       |       |  |
| 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 |  |

Kombinationstabelle der lagermässig vorrätigen Standardgewinde und Anflansungen

|                 |  |   |
|-----------------|--|---|
|                 |  | N |
| Drainage innen  |  |   |
|                 |  | O |
| Drainage aussen |  |   |

| Gehäuse (Gewinde und Anflansungen) |   |  |   |  |   |  |   |
|------------------------------------|---|--|---|--|---|--|---|
|                                    | A |  | B |  | C |  | D |
|                                    | H |  | I |  | J |  | Z |
| Gehäuse Geschlossen                |   |  |   |  |   |  |   |

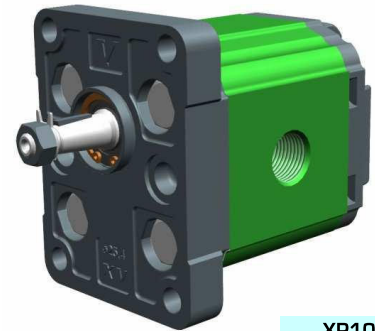
# einseitig drehende Pumpe - Serie XV

EUROPÄISCHE STANDARDPUMPE  
FLANSCH ø25.4 - KEGELWELLE

**XV-1P**

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

|           |     |  |
|-----------|-----|--|
| Serie     | X   | Serie XV   |
| Gruppe    | 1   | Gruppe 1   |
| Kategorie | P   | einseitig drehende Pumpe                                   |
| Hubraum   | 25  | 3.8  |
| Flansch   | 02  | Ø25.4 EUROPÄISCHER STANDARD Drehrichtung rechts            |
| Welle     | F   | CO001 - Konisch 1:8 - ø10 - M7x1 - Scheibenfeder Dicke 2.4 |
| Gehäuse   | IN  | B Ansaugung - 3/8" GAS                                     |
|           | OUT | B Druckseite - 3/8" GAS                                    |
| Deckel    | A   | Standard   |



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## Technische Datentabelle

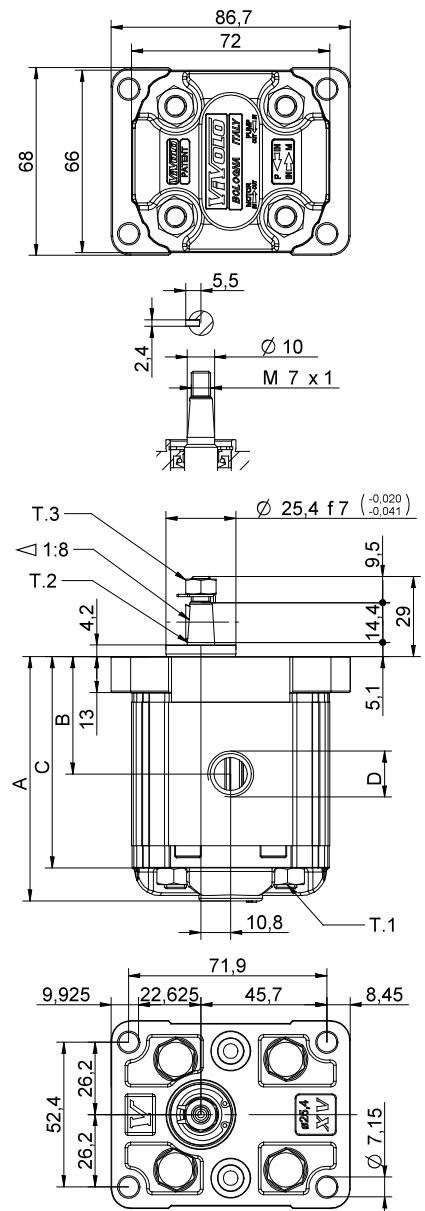
| TYP       | Hubraum | Maximaldruck |        | CODE                |                     |
|-----------|---------|--------------|--------|---------------------|---------------------|
|           |         | cm3/u        | P1 bar | P3 bar              | Drehung links       |
| XV-1P/0.9 | 0,91    | 240          | 280    | X 1 P 16 01 F B B A | X 1 P 16 02 F B B A |
| XV-1P/1.2 | 1,17    | 250          | 290    | X 1 P 17 01 F B B A | X 1 P 17 02 F B B A |
| XV-1P/1.7 | 1,56    | 250          | 290    | X 1 P 18 01 F B B A | X 1 P 18 02 F B B A |
| XV-1P/2.2 | 2,08    | 250          | 290    | X 1 P 20 01 F B B A | X 1 P 20 02 F B B A |
| XV-1P/2.6 | 2,60    | 250          | 300    | X 1 P 21 01 F B B A | X 1 P 21 02 F B B A |
| XV-1P/3.2 | 3,12    | 250          | 300    | X 1 P 23 01 F B B A | X 1 P 23 02 F B B A |
| XV-1P/3.8 | 3,64    | 250          | 300    | X 1 P 25 01 F B B A | X 1 P 25 02 F B B A |
| XV-1P/4.3 | 4,16    | 250          | 300    | X 1 P 27 01 F B B A | X 1 P 27 02 F B B A |
| XV-1P/4.9 | 4,94    | 250          | 300    | X 1 P 29 01 F B B A | X 1 P 29 02 F B B A |
| XV-1P/5.9 | 5,85    | 250          | 300    | X 1 P 31 01 F B B A | X 1 P 31 02 F B B A |
| XV-1P/6.5 | 6,50    | 250          | 300    | X 1 P 32 01 F B B A | X 1 P 32 02 F B B A |
| XV-1P/7.8 | 7,54    | 220          | 260    | X 1 P 34 01 F B B A | X 1 P 34 02 F B B A |
| XV-1P/9.8 | 9,88    | 190          | 230    | X 1 P 36 01 F B B A | X 1 P 36 02 F B B A |

P1) Max. Betriebsdruck - P3) Max. Druckspitze

Für schwere Anwendungen empfiehlt sich eine Prüfung des zulässigen Wellendrehmoments

## Dimensionstabelle

| TYP       | Gewicht | A     | B    | C     | D         | D         |
|-----------|---------|-------|------|-------|-----------|-----------|
|           |         | mm    | mm   | mm    | IN        | OUT       |
| XV-1P/0.9 | 0,950   | 78,1  | 37,3 | 66,1  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/1.2 | 0,970   | 79,0  | 37,8 | 67,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/1.7 | 1,010   | 80,5  | 38,5 | 68,5  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/2.2 | 1,030   | 82,5  | 39,5 | 70,5  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/2.6 | 1,060   | 84,5  | 40,5 | 72,5  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/3.2 | 1,090   | 86,5  | 41,5 | 74,5  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/3.8 | 1,120   | 88,5  | 42,5 | 76,5  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/4.3 | 1,170   | 90,5  | 43,5 | 78,5  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/4.9 | 1,200   | 93,5  | 45,0 | 81,5  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/5.9 | 1,260   | 97,0  | 46,8 | 85,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/6.5 | 1,300   | 98,5  | 48,0 | 86,5  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/7.8 | 1,360   | 103,5 | 50,0 | 91,5  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/9.8 | 1,500   | 112,5 | 54,5 | 100,5 | 3/8" BSPP | 3/8" BSPP |



T.1 = 24.5÷29.4 [Nm] - Anzugsmoment - Schrauben M8

T.3 = 11.5 [Nm] - Anzugsmoment - Schlüssel 11

T.2 = 43 [Nm] - zulässiges Wellendrehmoment (N.B. Zur Auswahl der Welle stets das zulässige Drehmoment prüfen).

# Tabelle der Varianten

**XV-1P**

FLANSCH ø25.4

| FLANSCH ø25.4 |                | Welle  |   | Deckel        |                |
|---------------|----------------|--|---|---------------|----------------|
| Drehung links | Drehung rechts |  |   | Drehung links | Drehung rechts |
|               |                | CO001 - Konisch<br>T.2 = 43 [Nm]<br>                                   | 002 - mit gefrästem Endstü<br>T.2 = 13.8 [Nm]<br>     |               |                |
|               |                | SCF04 - genutet<br>T.2 = 22.6 [Nm]<br>m=1,6 Z=6<br>DIN 5482 - 12x9<br> | SCF02 - genutet<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br> |               |                |
|               |                | SCF01 - genutet<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br>                  | SCF03 - genutet<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br> |               |                |
|               |                |  |   |               |                |

| Hubraum   |      |
|-----------|------|
| TYP       | 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   |

| Gehäuse Standard |       |                 |       |       |       |       |  |
|------------------|-------|-----------------|-------|-------|-------|-------|--|
| Hubraum          | cm3/u | Standardgewinde |       |       |       |       |  |
| 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 |  |

Kombinationstabelle der lagermäßig vorrätigen Standardgewinde und Anflansungen

|                 |  |   |
|-----------------|--|---|
|                 |  | N |
| Drainage innen  |  |   |
|                 |  | O |
| Drainage aussen |  |   |

| Gehäuse (Gewinde und Anflansungen) |   |  |   |  |   |                     |   |
|------------------------------------|---|--|---|--|---|---------------------|---|
|                                    | A |  | B |  | C |                     | D |
|                                    | E |  | F |  | G |                     |   |
|                                    | H |  | I |  | J | Gehäuse Geschlossen | Z |

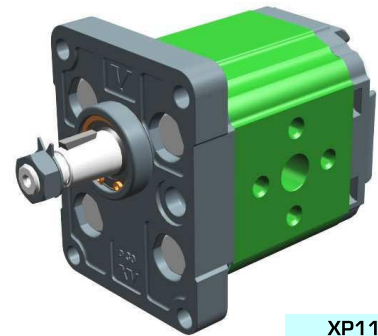
# einseitig drehende Pumpe - Serie XV

# XV-1P

STANDARDPUMPE  
FLANSCH  $\varnothing 30$  - KEGELWELLE

**X 1 P 25 12 G I I A**

|           |     |  |
|-----------|-----|--|
| Serie     | X   | Serie XV   |
| Gruppe    | 1   | Gruppe 1   |
| Kategorie | P   | einseitig drehende Pumpe   |
| Hubraum   | 25  | 3.8  |
| Flansch   | 12  | $\varnothing 30$ STANDARD Drehrichtung rechts                        |
| Welle     | G   | CO002 - Konisch 1:8 - $\varnothing 14$ - M10x1 - Scheibfeder Dicke 3 |
| Gehäuse   | IN  | Ansaugung - $\varnothing 30$ $\varnothing 12$ M6                     |
|           | OUT | Druckseite - $\varnothing 30$ $\varnothing 12$ M6                    |
| Deckel    | A   | Standard   |



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## Technische Datentabelle

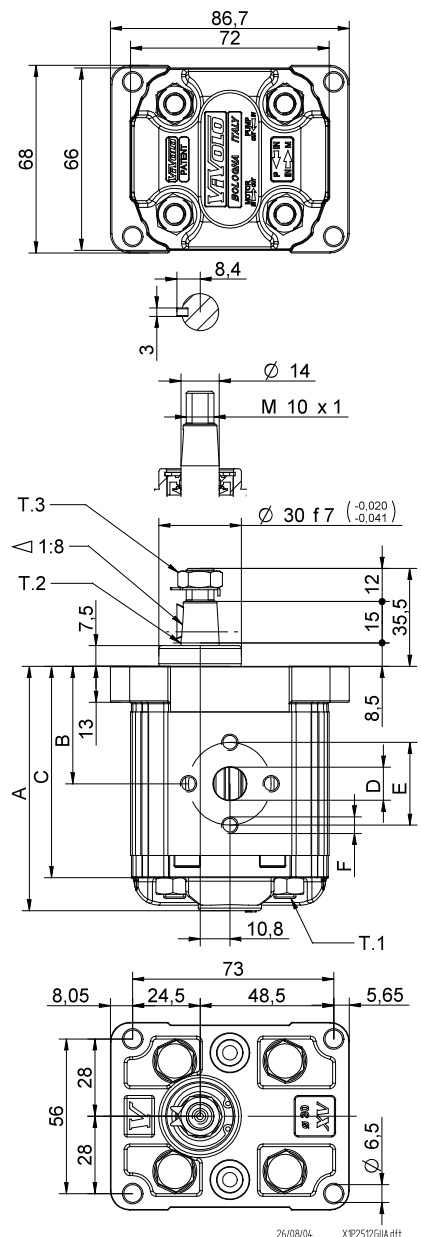
| TYP       | Hubraum<br>cm <sup>3</sup> /u | Maximaldruck |        | CODE                |                     |
|-----------|-------------------------------|--------------|--------|---------------------|---------------------|
|           |                               | P1 bar       | P3 bar | Drehung links       | Drehung rechts      |
| XV-1P/0.9 | 0,91                          | 240          | 280    | X 1 P 16 11 G I I A | X 1 P 16 12 G I I A |
| XV-1P/1.2 | 1,17                          | 250          | 290    | X 1 P 17 11 G I I A | X 1 P 17 12 G I I A |
| XV-1P/1.7 | 1,56                          | 250          | 290    | X 1 P 18 11 G I I A | X 1 P 18 12 G I I A |
| XV-1P/2.2 | 2,08                          | 250          | 290    | X 1 P 20 11 G I I A | X 1 P 20 12 G I I A |
| XV-1P/2.6 | 2,60                          | 250          | 300    | X 1 P 21 11 G I I A | X 1 P 21 12 G I I A |
| XV-1P/3.2 | 3,12                          | 250          | 300    | X 1 P 23 11 G I I A | X 1 P 23 12 G I I A |
| XV-1P/3.8 | 3,64                          | 250          | 300    | X 1 P 25 11 G I I A | X 1 P 25 12 G I I A |
| XV-1P/4.3 | 4,16                          | 250          | 300    | X 1 P 27 11 G I I A | X 1 P 27 12 G I I A |
| XV-1P/4.9 | 4,94                          | 250          | 300    | X 1 P 29 11 G I I A | X 1 P 29 12 G I I A |
| XV-1P/5.9 | 5,85                          | 250          | 300    | X 1 P 31 11 G I I A | X 1 P 31 12 G I I A |
| XV-1P/6.5 | 6,50                          | 250          | 300    | X 1 P 32 11 G I I A | X 1 P 32 12 G I I A |
| XV-1P/7.8 | 7,54                          | 220          | 260    | X 1 P 34 11 G I I A | X 1 P 34 12 G I I A |
| XV-1P/9.8 | 9,88                          | 190          | 230    | X 1 P 36 11 G I I A | X 1 P 36 12 G I I A |

P1) Max. Betriebsdruck - P3) Max. Druckspitze

Für schwere Anwendungen empfiehlt sich eine Prüfung des zulässigen Wellendrehmoments

## Dimensionstabelle

| TYP       | Gewicht<br>kg | A     | B    | C     | D                | E  | F    | D                | E  | F    |
|-----------|---------------|-------|------|-------|------------------|----|------|------------------|----|------|
|           |               | mm    | mm   | mm    | IN               |    |      | OUT              |    |      |
| XV-1P/0.9 | 0,950         | 78,1  | 37,3 | 66,1  | $\varnothing 12$ | 30 | M6x1 | $\varnothing 12$ | 30 | M6x1 |
| XV-1P/1.2 | 0,970         | 79,0  | 37,8 | 67,0  | $\varnothing 12$ | 30 | M6x1 | $\varnothing 12$ | 30 | M6x1 |
| XV-1P/1.7 | 1,010         | 80,5  | 38,5 | 68,5  | $\varnothing 12$ | 30 | M6x1 | $\varnothing 12$ | 30 | M6x1 |
| XV-1P/2.2 | 1,030         | 82,5  | 39,5 | 70,5  | $\varnothing 12$ | 30 | M6x1 | $\varnothing 12$ | 30 | M6x1 |
| XV-1P/2.6 | 1,060         | 84,5  | 40,5 | 72,5  | $\varnothing 12$ | 30 | M6x1 | $\varnothing 12$ | 30 | M6x1 |
| XV-1P/3.2 | 1,090         | 86,5  | 41,5 | 74,5  | $\varnothing 12$ | 30 | M6x1 | $\varnothing 12$ | 30 | M6x1 |
| XV-1P/3.8 | 1,120         | 88,5  | 42,5 | 76,5  | $\varnothing 12$ | 30 | M6x1 | $\varnothing 12$ | 30 | M6x1 |
| XV-1P/4.3 | 1,170         | 90,5  | 43,5 | 78,5  | $\varnothing 12$ | 30 | M6x1 | $\varnothing 12$ | 30 | M6x1 |
| XV-1P/4.9 | 1,200         | 93,5  | 45,0 | 81,5  | $\varnothing 12$ | 30 | M6x1 | $\varnothing 12$ | 30 | M6x1 |
| XV-1P/5.9 | 1,260         | 97,0  | 46,8 | 85,0  | $\varnothing 12$ | 30 | M6x1 | $\varnothing 12$ | 30 | M6x1 |
| XV-1P/6.5 | 1,300         | 98,5  | 48,0 | 86,5  | $\varnothing 12$ | 30 | M6x1 | $\varnothing 12$ | 30 | M6x1 |
| XV-1P/7.8 | 1,360         | 103,5 | 50,0 | 91,5  | $\varnothing 12$ | 30 | M6x1 | $\varnothing 12$ | 30 | M6x1 |
| XV-1P/9.8 | 1,500         | 112,5 | 54,5 | 100,5 | $\varnothing 12$ | 30 | M6x1 | $\varnothing 12$ | 30 | M6x1 |



T.1 = 24.5÷29.4 [Nm] - Anzugsmoment - Schrauben M8

T.3 = 13 [Nm] - Anzugsmoment - Schlüssel 17

T.2 = 119.8 [Nm] - zulässiges Wellendrehmoment (N.B. Zur Auswahl der Welle stets das zulässige Drehmoment prüfen).

# Tabelle der Varianten

**XV-1P**

## FLANSCH ø30

| FLANSCH ø30   |    |                |    | Welle   |   |  |   | Deckel        |  |                |  |  |  |
|---------------|----|----------------|----|---|---|--|---|---------------|--|----------------|--|--|--|
| Drehung links |    | Drehung rechts |    |   |   |  |   | Drehung links |  | Drehung rechts |  |  |  |
|               | 11 |                | 12 | CI001 - Zylindrisch<br>T.2 = 25.8 [Nm]<br>    | A | CO002 - Konisch<br>T.2 = 119.8 [Nm]<br>    | G |               |  | A              |  |  |  |
|               | 13 |                | 14 | CI001+HK - Zylindrisch<br>T.2 = 25.8 [Nm]<br> | P | CO002+HK - Konisch<br>T.2 = 119.8 [Nm]<br> | O |               |  | B              |  |  |  |
|               | 15 |                | 16 |   |   |  |   |               |  | C              |  |  |  |
|               | 17 |                | 18 |   |   |  |   |               |  | D              |  |  |  |
|               |    |                |    |   |   |  |   |               |  | N              |  |  |  |
|               |    |                |    |   |   |  |   |               |  | O              |  |  |  |

| Hubraum   |      | Gehäuse Standard |       |                 |     |     |     |     |     |  |  |
|-----------|------|------------------|-------|-----------------|-----|-----|-----|-----|-----|--|--|
| TYP       | CODE | Hubraum          | cm3/u | Standardgewinde |     |     |     |     |     |  |  |
| XV-1P/0.9 | 16   | 0.9              |       | I-I             | B-B | J-J | B-Z | Z-Z | G-F |  |  |
| XV-1P/1.2 | 17   | 1.2              |       | I-I             | B-B | J-J | B-Z | Z-Z | G-F |  |  |
| XV-1P/1.7 | 18   | 1.7              |       | I-I             | B-B | J-J | B-Z | Z-Z | G-F |  |  |
| XV-1P/2.2 | 20   | 2.2              |       | I-I             | B-B | J-J | B-Z | Z-Z | G-F |  |  |
| XV-1P/2.6 | 21   | 2.6              |       | I-I             | B-B | J-J | B-Z | Z-Z | G-F |  |  |
| XV-1P/3.2 | 23   | 3.2              |       | I-I             | B-B | J-J | B-Z | Z-Z | G-F |  |  |
| XV-1P/3.8 | 25   | 3.8              |       | I-I             | B-B | J-J | B-Z | Z-Z | G-F |  |  |
| XV-1P/4.3 | 27   | 4.3              |       | I-I             | B-B | J-J | B-Z | Z-Z | G-F |  |  |
| XV-1P/4.9 | 29   | 4.9              |       | I-I             | B-B | J-J | B-Z | Z-Z | G-F |  |  |
| XV-1P/5.9 | 31   | 5.9              |       | I-I             | B-B | J-J | B-Z | Z-Z | G-F |  |  |
| XV-1P/6.5 | 32   | 6.5              |       | I-I             | B-B | J-J | B-Z | Z-Z | G-F |  |  |
| XV-1P/7.8 | 34   | 7.8              |       | I-I             | B-B | J-J | B-Z | Z-Z | G-F |  |  |
| XV-1P/9.8 | 36   | 9.8              |       | I-I             | B-B | J-J | B-Z | Z-Z | G-F |  |  |

| Gehäuse (Gewinde und Anflansungen) |   |  |   |  |   |                     |   |   |   |  |   |  |   |
|------------------------------------|---|--|---|--|---|---------------------|---|---|---|--|---|--|---|
|                                    | A |  | B |  | C |                     | D |   | E |  | F |  | G |
|                                    | H |  | I |  | J | Gehäuse Geschlossen |   | Z |   |  |   |  |   |

Kombinationstabelle der lagermässig vorrätigen Standardgewinde und Anflansungen

# einseitig drehende Pumpe - Serie XV

# XV-1P

PUMPE TYP "BH"

FLANSCH  $\varnothing 32$  GEFORMT - WELLE MIT GEFRÄSTEM ENDSTÜCK

**X 1 P 25 42 D B B A**

|           |     |   |
|-----------|-----|---|
| Serie     | X   | Serie XV  |
| Gruppe    | 1   | Gruppe 1  |
| Kategorie | P   | einseitig drehende Pumpe                                  |
| Hubraum   | 25  | 3.8   |
| Flansch   | 42  | $\varnothing 32$ BH Drehrichtung rechts                   |
| Welle     | D   | CF002 - mit gefrästem Endstück $\varnothing 10$ - Dicke 5 |
| Gehäuse   | IN  | B Ansaugung - 3/8" GAS                                    |
|           | OUT | B Druckseite - 3/8" GAS                                   |
| Deckel    | A   | Standard  |



XP119

## Technische Datentabelle

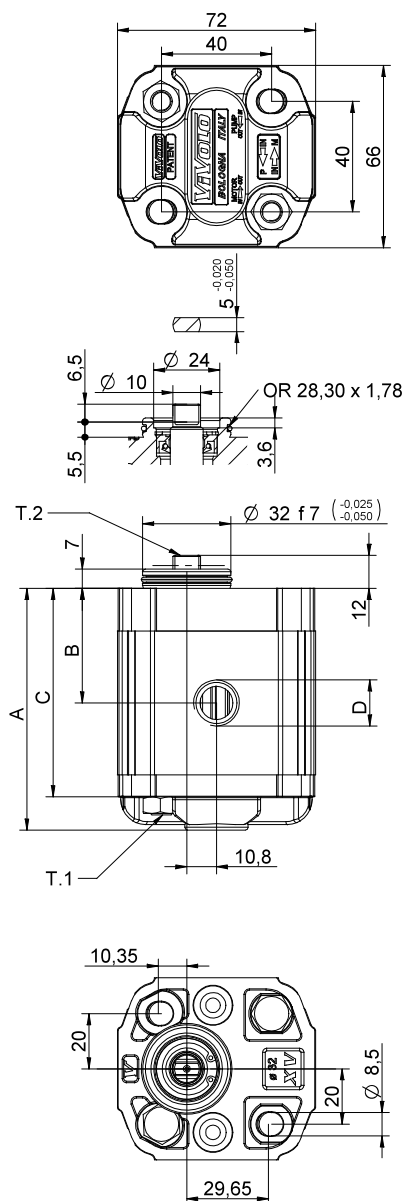
| TYP       | Hubraum<br>cm <sup>3</sup> /u | Maximaldruck |        | CODE          |         |                |         |
|-----------|-------------------------------|--------------|--------|---------------|---------|----------------|---------|
|           |                               | P1 bar       | P3 bar | Drehung links |         | Drehung rechts |         |
| XV-1P/0.9 | 0,91                          | 240          | 280    | X 1 P 16 41   | D B B A | X 1 P 16 42    | D B B A |
| XV-1P/1.2 | 1,17                          | 250          | 290    | X 1 P 17 41   | D B B A | X 1 P 17 42    | D B B A |
| XV-1P/1.7 | 1,56                          | 250          | 290    | X 1 P 18 41   | D B B A | X 1 P 18 42    | D B B A |
| XV-1P/2.2 | 2,08                          | 250          | 290    | X 1 P 20 41   | D B B A | X 1 P 20 42    | D B B A |
| XV-1P/2.6 | 2,60                          | 250          | 300    | X 1 P 21 41   | D B B A | X 1 P 21 42    | D B B A |
| XV-1P/3.2 | 3,12                          | 250          | 300    | X 1 P 23 41   | D B B A | X 1 P 23 42    | D B B A |
| XV-1P/3.8 | 3,64                          | 250          | 300    | X 1 P 25 41   | D B B A | X 1 P 25 42    | D B B A |
| XV-1P/4.3 | 4,16                          | 250          | 300    | X 1 P 27 41   | D B B A | X 1 P 27 42    | D B B A |
| XV-1P/4.9 | 4,94                          | 250          | 300    | X 1 P 29 41   | D B B A | X 1 P 29 42    | D B B A |
| XV-1P/5.9 | 5,85                          | 250          | 300    | X 1 P 31 41   | D B B A | X 1 P 31 42    | D B B A |
| XV-1P/6.5 | 6,50                          | 250          | 300    | X 1 P 32 41   | D B B A | X 1 P 32 42    | D B B A |
| XV-1P/7.8 | 7,54                          | 220          | 260    | X 1 P 34 41   | D B B A | X 1 P 34 42    | D B B A |
| XV-1P/9.8 | 9,88                          | 190          | 230    | X 1 P 36 41   | D B B A | X 1 P 36 42    | D B B A |

P1) Max. Betriebsdruck - P3) Max. Druckspitze

Für schwere Anwendungen empfiehlt sich eine Prüfung des zulässigen Wellendrehmoments

## Dimensionstabelle

| TYP       | Gewicht<br>kg | A     | B    | C    | D         | D         |
|-----------|---------------|-------|------|------|-----------|-----------|
|           |               | mm    | mm   | mm   | IN        | OUT       |
| XV-1P/0.9 | 0,950         | 77,1  | 36,3 | 65,1 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/1.2 | 0,970         | 78,0  | 36,8 | 66,0 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/1.7 | 1,010         | 79,5  | 37,5 | 67,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/2.2 | 1,030         | 81,5  | 38,5 | 69,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/2.6 | 1,060         | 83,5  | 39,5 | 71,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/3.2 | 1,090         | 85,5  | 40,5 | 73,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/3.8 | 1,120         | 87,5  | 41,5 | 75,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/4.3 | 1,170         | 89,5  | 42,5 | 77,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/4.9 | 1,200         | 92,5  | 44,0 | 80,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/5.9 | 1,260         | 96,0  | 45,8 | 84,0 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/6.5 | 1,300         | 97,5  | 47,0 | 85,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/7.8 | 1,360         | 102,5 | 49,0 | 90,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/9.8 | 1,500         | 111,5 | 53,5 | 99,5 | 3/8" BSPP | 3/8" BSPP |



26/08/04 XP2542088A.dft

T.1 = 24.5÷29.4 [Nm] - Anzugsmoment - Schrauben M8

T.2 = 13.8 [Nm] - zulässiges Wellendrehmoment (N.B. Zur Auswahl der Welle stets das zulässige Drehmoment prüfen).

# Tabelle der Varianten

FLANSCH ø32 "BH" – Geformt

**XV-1P**

| FLANSCH ø32 "BH" – Geformt |    |                |    | Welle   |   |  |   | Deckel        |  |                |  |   |  |
|----------------------------|----|----------------|----|---|---|--|---|---------------|--|----------------|--|---|--|
| Drehung links              |    | Drehung rechts |    |   |   |  |   | Drehung links |  | Drehung rechts |  |   |  |
|                            | 41 |                | 42 | 002 - mit gefrästem Endstück<br>T.2 = 13.8 [Nm]<br>   | D | CO001 - Konisch<br>T.2 = 43 [Nm]<br>                                   | F |               |  |                |  | A |  |
|                            | 43 |                | 44 | SCF02 - genutet<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br> | L | SCF04 - genutet<br>T.2 = 22.6 [Nm]<br>m=1,6 Z=6<br>DIN 5482 - 12x9<br> | J |               |  |                |  | B |  |
|                            | 45 |                | 46 | SCF01 - genutet<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br> | Q | SCF03 - genutet<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br>                  | R |               |  |                |  | C |  |
|                            | 47 |                | 48 |   |   |  |   |               |  |                |  | D |  |

| Hubraum   |      |
|-----------|------|
| TYP       | 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   |

| Gehäuse Standard |       |                 |     |     |     |     |  |
|------------------|-------|-----------------|-----|-----|-----|-----|--|
| Hubraum          | cm3/u | Standardgewinde |     |     |     |     |  |
| 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 |  |

Kombinationstabelle der lagermässig vorrätigen Standardgewinde und Anflansungen

|                 |  |  |  |   |
|-----------------|--|--|--|---|
|                 |  |  |  | N |
| Drainage innen  |  |  |  |   |
|                 |  |  |  | O |
| Drainage aussen |  |  |  |   |

| Gehäuse (Gewinde und Anflansungen) |   |  |   |  |   |                     |   |   |   |  |   |  |   |
|------------------------------------|---|--|---|--|---|---------------------|---|---|---|--|---|--|---|
|                                    | A |  | B |  | C |                     | D |   | E |  | F |  | G |
|                                    | H |  | I |  | J | Gehäuse Geschlossen |   | Z |   |  |   |  |   |



# einseitig drehende Pumpe - Serie XV

**XV-1P**

**PUMPE TYP "HY"**  
**FLANSCH ø32 GEFORMT - WELLE MIT GEFRÄSTEM ENDSTÜCK**

**X 1 P 25 52 D B B A**

|           |     |  |
|-----------|-----|--|
| Serie     | X   | Serie XV                                     |
| Gruppe    | 1   | Gruppe 1                                     |
| Kategorie | P   | einseitig drehende Pumpe                     |
| Hubraum   | 25  | 3.8  |
| Flansch   | 52  | Ø32 HY Drehrichtung rechts                   |
| Welle     | D   | CF002 - mit gefrästem Endstück ø10 - Dicke 5 |
| Gehäuse   | IN  | B Ansaugung - 3/8" GAS                       |
|           | OUT | B Druckseite - 3/8" GAS                      |
| Deckel    | A   | Standard                                     |



**XP140**

### Technische Datentabelle

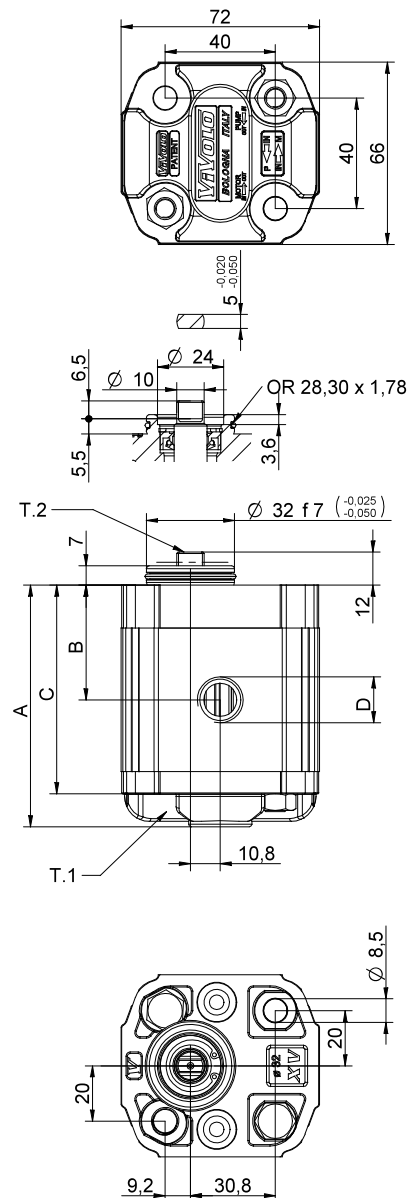
| TYP       | Hubraum<br>cm <sup>3</sup> /u | Maximaldruck |        | CODE          |         |                |         |
|-----------|-------------------------------|--------------|--------|---------------|---------|----------------|---------|
|           |                               | P1 bar       | P3 bar | Drehung links |         | Drehung rechts |         |
| XV-1P/0.9 | 0,91                          | 240          | 280    | X 1 P 16 51   | D B B A | X 1 P 16 52    | D B B A |
| XV-1P/1.2 | 1,17                          | 250          | 290    | X 1 P 17 51   | D B B A | X 1 P 17 52    | D B B A |
| XV-1P/1.7 | 1,56                          | 250          | 290    | X 1 P 18 51   | D B B A | X 1 P 18 52    | D B B A |
| XV-1P/2.2 | 2,08                          | 250          | 290    | X 1 P 20 51   | D B B A | X 1 P 20 52    | D B B A |
| XV-1P/2.6 | 2,60                          | 250          | 300    | X 1 P 21 51   | D B B A | X 1 P 21 52    | D B B A |
| XV-1P/3.2 | 3,12                          | 250          | 300    | X 1 P 23 51   | D B B A | X 1 P 23 52    | D B B A |
| XV-1P/3.8 | 3,64                          | 250          | 300    | X 1 P 25 51   | D B B A | X 1 P 25 52    | D B B A |
| XV-1P/4.3 | 4,16                          | 250          | 300    | X 1 P 27 51   | D B B A | X 1 P 27 52    | D B B A |
| XV-1P/4.9 | 4,94                          | 250          | 300    | X 1 P 29 51   | D B B A | X 1 P 29 52    | D B B A |
| XV-1P/5.9 | 5,85                          | 250          | 300    | X 1 P 31 51   | D B B A | X 1 P 31 52    | D B B A |
| XV-1P/6.5 | 6,50                          | 250          | 300    | X 1 P 32 51   | D B B A | X 1 P 32 52    | D B B A |
| XV-1P/7.8 | 7,54                          | 220          | 260    | X 1 P 34 51   | D B B A | X 1 P 34 52    | D B B A |
| XV-1P/9.8 | 9,88                          | 190          | 230    | X 1 P 36 51   | D B B A | X 1 P 36 52    | D B B A |

P1) Max. Betriebsdruck - P3) Max. Druckspitze

Für schwere Anwendungen empfiehlt sich eine Prüfung des zulässigen Wellendrehmoments

### Dimensionstabelle

| TYP       | Gewicht<br>kg | A     | B    | C    | D         | D         |
|-----------|---------------|-------|------|------|-----------|-----------|
|           |               | mm    | mm   | mm   | IN        | OUT       |
| XV-1P/0.9 | 0,950         | 77,1  | 36,3 | 65,1 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/1.2 | 0,970         | 78,0  | 36,8 | 66,0 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/1.7 | 1,010         | 79,5  | 37,5 | 67,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/2.2 | 1,030         | 81,5  | 38,5 | 69,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/2.6 | 1,060         | 83,5  | 39,5 | 71,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/3.2 | 1,090         | 85,5  | 40,5 | 73,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/3.8 | 1,120         | 87,5  | 41,5 | 75,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/4.3 | 1,170         | 89,5  | 42,5 | 77,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/4.9 | 1,200         | 92,5  | 44,0 | 80,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/5.9 | 1,260         | 96,0  | 45,8 | 84,0 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/6.5 | 1,300         | 97,5  | 47,0 | 85,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/7.8 | 1,360         | 102,5 | 49,0 | 90,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/9.8 | 1,500         | 111,5 | 53,5 | 99,5 | 3/8" BSPP | 3/8" BSPP |



26/08/04 XP1P2520B8A.dft

T.1 = 24.5±29.4 [Nm] - Anzugsmoment - Schrauben M8

T.2 = 13.8 [Nm] - zulässiges Wellendrehmoment (N.B. Zur Auswahl der Welle stets das zulässige Drehmoment prüfen).

# Tabelle der Varianten

FLANSCH ø32 "HY" – Geformt

**XV-1P**

| FLANSCH ø32 "HY" – Geformt |    |                |    | Welle   |   |  |   | Deckel        |  |                |  |   |  |
|----------------------------|----|----------------|----|---|---|--|---|---------------|--|----------------|--|---|--|
| Drehung links              |    | Drehung rechts |    |   |   |  |   | Drehung links |  | Drehung rechts |  |   |  |
|                            | 51 |                | 52 | 002 - mit gefrästem Endstück<br>T.2 = 13.8 [Nm]<br>   | D | CO001 - Konisch<br>T.2 = 43 [Nm]<br>                                   | F |               |  |                |  | A |  |
|                            | 53 |                | 54 | SCF02 - genutet<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br> | L | SCF04 - genutet<br>T.2 = 22.6 [Nm]<br>m=1,6 Z=6<br>DIN 5482 - 12x9<br> | J |               |  |                |  | B |  |
|                            | 55 |                | 56 | SCF01 - genutet<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br> | Q | SCF03 - genutet<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br>                  | R |               |  |                |  | C |  |
|                            | 57 |                | 58 |   |   |  |   |               |  |                |  | D |  |

| Hubraum   |      |
|-----------|------|
| TYP       | 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   |

| Gehäuse Standard |       |                 |     |     |     |     |  |
|------------------|-------|-----------------|-----|-----|-----|-----|--|
| Hubraum          | cm3/u | Standardgewinde |     |     |     |     |  |
| 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 |  |

Kombinationstabelle der lagermässig vorrätigen

Standardgewinde und Anflansungen

|                 |  |  |  |   |
|-----------------|--|--|--|---|
|                 |  |  |  | N |
| Drainage innen  |  |  |  |   |
|                 |  |  |  | O |
| Drainage aussen |  |  |  |   |

| Gehäuse (Gewinde und Anflansungen) |   |  |   |  |   |  |   |
|------------------------------------|---|--|---|--|---|--|---|
|                                    | A |  | B |  | C |  | D |
|                                    | E |  | F |  | G |  |   |
|                                    | H |  | I |  | J |  | Z |
| Gehäuse Geschlossen                |   |  |   |  |   |  |   |

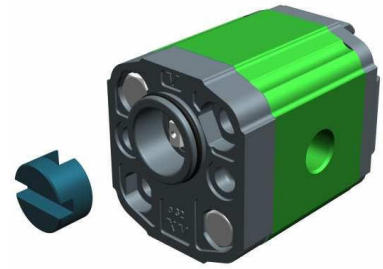
# einseitig drehende Pumpe - Serie XV

**XV-1P**

DEUTSCHE STANDARDPUMPE TYP "BH"  
FLANSCH  $\varnothing$ 32 GEFORMT - WELLE MIT GEFRÄSTEM ENDSTÜCK

**X 1 P 25 32 C B B A**

|           |     |   |
|-----------|-----|---|
| Serie     | X   | Serie XV  |
| Gruppe    | 1   | Gruppe 1  |
| Kategorie | P   | einseitig drehende Pumpe  |
| Hubraum   | 25  | 3.8   |
| Flansch   | 32  | $\varnothing$ 32 BH DEUTSCHE NORM Drehrichtung rechts                               |
| Welle     | C   | CF001 - mit gefrästem Endstück $\varnothing$ 10 - Dicke 5 ("BH" deutscher Standard) |
| Gehäuse   | IN  | B Ansaugung - 3/8" GAS  |
|           | OUT | B Druckseite - 3/8" GAS   |
| Deckel    | A   | Standard  |



XP161

## Technische Datentabelle

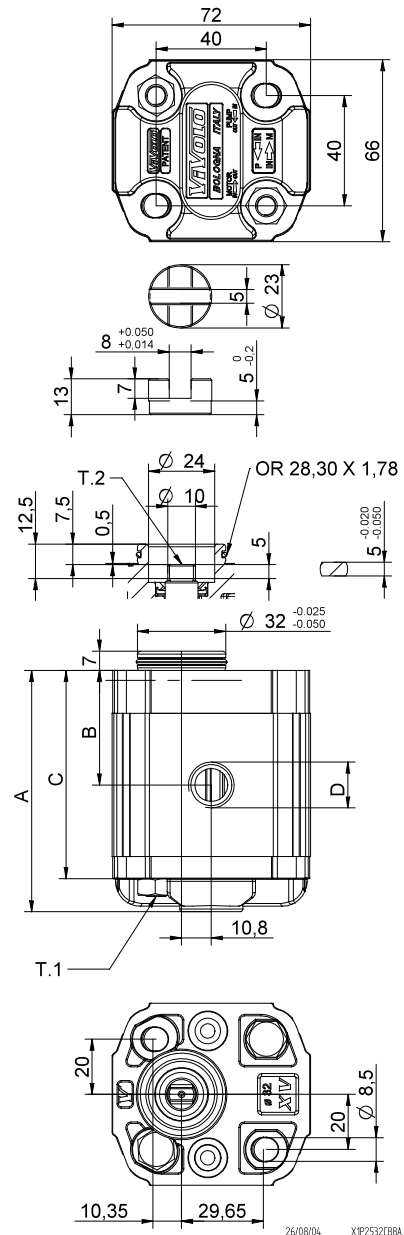
| TYP       | Hubraum<br>cm <sup>3</sup> /u | Maximaldruck |        | CODE          |         |                |         |
|-----------|-------------------------------|--------------|--------|---------------|---------|----------------|---------|
|           |                               | P1 bar       | P3 bar | Drehung links |         | Drehung rechts |         |
| XV-1P/0.9 | 0,91                          | 240          | 280    | X 1 P 16 31   | C B B A | X 1 P 16 32    | C B B A |
| XV-1P/1.2 | 1,17                          | 250          | 290    | X 1 P 17 31   | C B B A | X 1 P 17 32    | C B B A |
| XV-1P/1.7 | 1,56                          | 250          | 290    | X 1 P 18 31   | C B B A | X 1 P 18 32    | C B B A |
| XV-1P/2.2 | 2,08                          | 250          | 290    | X 1 P 20 31   | C B B A | X 1 P 20 32    | C B B A |
| XV-1P/2.6 | 2,60                          | 250          | 300    | X 1 P 21 31   | C B B A | X 1 P 21 32    | C B B A |
| XV-1P/3.2 | 3,12                          | 250          | 300    | X 1 P 23 31   | C B B A | X 1 P 23 32    | C B B A |
| XV-1P/3.8 | 3,64                          | 250          | 300    | X 1 P 25 31   | C B B A | X 1 P 25 32    | C B B A |
| XV-1P/4.3 | 4,16                          | 250          | 300    | X 1 P 27 31   | C B B A | X 1 P 27 32    | C B B A |
| XV-1P/4.9 | 4,94                          | 250          | 300    | X 1 P 29 31   | C B B A | X 1 P 29 32    | C B B A |
| XV-1P/5.9 | 5,85                          | 250          | 300    | X 1 P 31 31   | C B B A | X 1 P 31 32    | C B B A |
| XV-1P/6.5 | 6,50                          | 250          | 300    | X 1 P 32 31   | C B B A | X 1 P 32 32    | C B B A |
| XV-1P/7.8 | 7,54                          | 220          | 260    | X 1 P 34 31   | C B B A | X 1 P 34 32    | C B B A |
| XV-1P/9.8 | 9,88                          | 190          | 230    | X 1 P 36 31   | C B B A | X 1 P 36 32    | C B B A |

P1) Max. Betriebsdruck - P3) Max. Druckspitze

Für schwere Anwendungen empfiehlt sich eine Prüfung des zulässigen Wellendrehmoments

## Dimensionstabelle

| TYP       | Gewicht<br>kg | A     | B    | C    | D         | D         |
|-----------|---------------|-------|------|------|-----------|-----------|
|           |               | mm    | mm   | mm   | IN        | OUT       |
| XV-1P/0.9 | 0,950         | 77,1  | 36,3 | 65,1 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/1.2 | 0,970         | 78,0  | 36,8 | 66,0 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/1.7 | 1,010         | 79,5  | 37,5 | 67,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/2.2 | 1,030         | 81,5  | 38,5 | 69,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/2.6 | 1,060         | 83,5  | 39,5 | 71,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/3.2 | 1,090         | 85,5  | 40,5 | 73,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/3.8 | 1,120         | 87,5  | 41,5 | 75,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/4.3 | 1,170         | 89,5  | 42,5 | 77,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/4.9 | 1,200         | 92,5  | 44,0 | 80,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/5.9 | 1,260         | 96,0  | 45,8 | 84,0 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/6.5 | 1,300         | 97,5  | 47,0 | 85,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/7.8 | 1,360         | 102,5 | 49,0 | 90,5 | 3/8" BSPP | 3/8" BSPP |
| XV-1P/9.8 | 1,500         | 111,5 | 53,5 | 99,5 | 3/8" BSPP | 3/8" BSPP |



T.1 = 24.5÷29.4 [Nm] - Anzugsmoment - Schrauben M8

T.2 = 13.8 [Nm] - zulässiges Wellendrehmoment (N.B. Zur Auswahl der Welle stets das zulässige Drehmoment prüfen).

# Tabelle der Varianten

**XV-1P**

## FLANSCH ø32 Deutsche Standardpumpe "BH"

| FLANSCH ø32 Deutsche Standardpumpe "BH" |           |                | Welle     |   | Deckel  |                |  |          |
|---|-----------|----------------|-----------|---|---|----------------|--|----------|
| Drehung links                           |           | Drehung rechts |           |   | Drehung links   | Drehung rechts |  |          |
|   | <b>31</b> |                | <b>32</b> | 001 - mit gefrästem Endstück<br>T.2 = 13.8 [Nm]<br>   | SCF01 - genutet<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br> |                |  | <b>A</b> |
|   | <b>33</b> |                | <b>34</b> | SCF03 - genutet<br>T.2 = 42.8 [Nm]<br>m=0,75 Z=15<br> | <b>R</b>  |                |  | <b>B</b> |
|   | <b>35</b> |                | <b>36</b> |   |   |                |  | <b>C</b> |
|   | <b>37</b> |                | <b>38</b> |   |   |                |  | <b>D</b> |

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

| Gehäuse Standard |       |                 |     |     |     |     |  |
|------------------|-------|-----------------|-----|-----|-----|-----|--|
| Hubraum          | cm3/u | Standardgewinde |     |     |     |     |  |
| 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 |  |

Kombinationstabelle der lagermässig vorrätigen Standardgewinde und Anflansungen

|                 |  |          |
|-----------------|--|----------|
|                 |  | <b>N</b> |
| Drainage innen  |  |          |
|                 |  | <b>O</b> |
| Drainage aussen |  |          |

| Gehäuse (Gewinde und Anflansungen) |          |  |          |  |          |  |          |                     |          |  |          |  |          |
|------------------------------------|----------|--|----------|--|----------|--|----------|---------------------|----------|--|----------|--|----------|
|                                    | <b>A</b> |  | <b>B</b> |  | <b>C</b> |  | <b>D</b> |                     | <b>E</b> |  | <b>F</b> |  | <b>G</b> |
|                                    | <b>H</b> |  | <b>I</b> |  | <b>J</b> |  | <b>Z</b> | Gehäuse Geschlossen |          |  |          |  |          |

# einseitig drehende Pumpe - Serie XV

**XV-1P**

**PUMPE TYP "SAE AA"**  
**FLANSCH ø50.8 - ZYLINDERWELLE**

**X 1 P 25 62 B B B A**

|           |     |   |
|-----------|-----|---|
| Serie     | X   | Serie XV  |
| Gruppe    | 1   | Gruppe 1  |
| Kategorie | P   | einseitig drehende Pumpe                                    |
| Hubraum   | 25  | 3.8   |
| Flansch   | 62  | Ø50.8 SAE AA Drehrichtung rechts                            |
| Welle     | B   | C1002 - Zylindrisch ø12.7, Scheibenfeder Dicke 3.2 (SAE AA) |
| Gehäuse   | IN  | B Ansaugung - 3/8" GAS                                      |
|           | OUT | B Druckseite - 3/8" GAS                                     |
| Deckel    | A   | Standard  |



**XP168**

## Technische Datentabelle

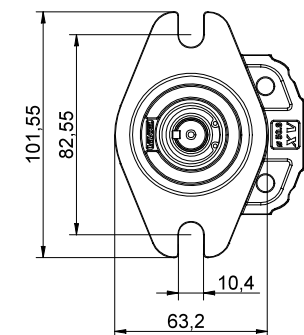
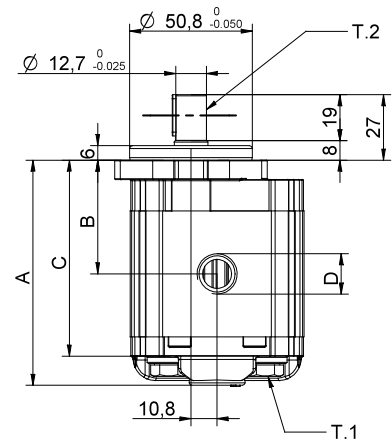
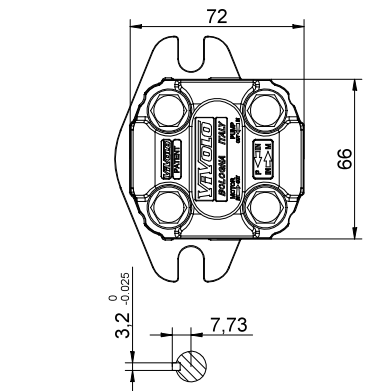
| TYP       | Hubraum | Maximaldruck |        | CODE                |                     |
|-----------|---------|--------------|--------|---------------------|---------------------|
|           |         | cm3/u        | P1 bar | P3 bar              | Drehung links       |
| XV-1P/0.9 | 0,91    | 240          | 280    | X 1 P 16 61 B B B A | X 1 P 16 62 B B B A |
| XV-1P/1.2 | 1,17    | 250          | 290    | X 1 P 17 61 B B B A | X 1 P 17 62 B B B A |
| XV-1P/1.7 | 1,56    | 250          | 290    | X 1 P 18 61 B B B A | X 1 P 18 62 B B B A |
| XV-1P/2.2 | 2,08    | 250          | 290    | X 1 P 20 61 B B B A | X 1 P 20 62 B B B A |
| XV-1P/2.6 | 2,60    | 250          | 300    | X 1 P 21 61 B B B A | X 1 P 21 62 B B B A |
| XV-1P/3.2 | 3,12    | 250          | 300    | X 1 P 23 61 B B B A | X 1 P 23 62 B B B A |
| XV-1P/3.8 | 3,64    | 250          | 300    | X 1 P 25 61 B B B A | X 1 P 25 62 B B B A |
| XV-1P/4.3 | 4,16    | 250          | 300    | X 1 P 27 61 B B B A | X 1 P 27 62 B B B A |
| XV-1P/4.9 | 4,94    | 250          | 300    | X 1 P 29 61 B B B A | X 1 P 29 62 B B B A |
| XV-1P/5.9 | 5,85    | 250          | 300    | X 1 P 31 61 B B B A | X 1 P 31 62 B B B A |
| XV-1P/6.5 | 6,50    | 250          | 300    | X 1 P 32 61 B B B A | X 1 P 32 62 B B B A |
| XV-1P/7.8 | 7,54    | 220          | 260    | X 1 P 34 61 B B B A | X 1 P 34 62 B B B A |
| XV-1P/9.8 | 9,88    | 190          | 230    | X 1 P 36 61 B B B A | X 1 P 36 62 B B B A |

P1) Max. Betriebsdruck - P3) Max. Druckspitze

Für schwere Anwendungen empfiehlt sich eine Prüfung des zulässigen Wellendrehmoments

## Dimensionstabelle

| TYP       | Gewicht | A     | B    | C     | D         | D         |
|-----------|---------|-------|------|-------|-----------|-----------|
|           |         | mm    | mm   | mm    | IN        | OUT       |
| XV-1P/0.9 | 1,000   | 82,6  | 41,8 | 70,6  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/1.2 | 1,020   | 83,5  | 42,3 | 71,5  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/1.7 | 1,060   | 85,0  | 43,0 | 73,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/2.2 | 1,080   | 87,0  | 44,0 | 75,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/2.6 | 1,110   | 89,0  | 45,0 | 77,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/3.2 | 1,140   | 91,0  | 46,0 | 79,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/3.8 | 1,170   | 93,0  | 47,0 | 81,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/4.3 | 1,220   | 95,0  | 48,0 | 83,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/4.9 | 1,250   | 98,0  | 49,5 | 86,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/5.9 | 1,310   | 101,5 | 51,3 | 89,5  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/6.5 | 1,350   | 105,0 | 52,5 | 93,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/7.8 | 1,410   | 108,0 | 54,5 | 96,0  | 3/8" BSPP | 3/8" BSPP |
| XV-1P/9.8 | 1,550   | 117,0 | 59,0 | 105,0 | 3/8" BSPP | 3/8" BSPP |



26/08/04 XP2562888A.dft

T.1 = 24.5÷29.4 [Nm] - Anzugsmoment - Schrauben M8

T.2 = 32.8 [Nm] - zulässiges Wellendrehmoment (N.B. Zur Auswahl der Welle stets das zulässige Drehmoment prüfen).

# Tabelle der Varianten

FLANSCH ø50.8 "SAE AA"

**XV-1P**

| FLANSCH ø50.8 "SAE AA" |    |                | Welle   |  |   |   | Deckel        |                |   |
|------------------------|----|----------------|---|--|---|---|---------------|----------------|---|
| Drehung links          |    | Drehung rechts |   |  |   |   | Drehung links | Drehung rechts |   |
|                        | 61 |                | 62  |  |   |   |               |                |   |
|                        |    |                | CI001 - Zylindrisch<br>T.2 = 25.8 [Nm]          |  | A | CI002 - Zylindrisch<br>T.2 = 32.8 [Nm]    |               | B              | A |
|                        |    |                | 003 - mit gefrästem Endstück<br>T.2 = 25.9 [Nm] |  | E | CO002 - Konisch<br>T.2 = 119.8 [Nm]       |               | G              | B |
|                        |    |                | CO004 - Konisch<br>T.2 = 90.4 [Nm]              |  | I | SCF05 - genutet<br>T.2 = 32.2 [Nm]        |               | K              | C |
|                        |    |                | CO002+HK - Konisch<br>T.2 = 119.8 [Nm]          |  | O | CI001+HK - Zylindrisch<br>T.2 = 25.8 [Nm] |               | P              | D |
|                        |    |                |   |  |   |   |               |                | N |
|                        |    |                |   |  |   |   |               |                | O |

| Hubraum   |      | Gehäuse Standard |       |                 |       |       |       |       |  |  |  |
|-----------|------|------------------|-------|-----------------|-------|-------|-------|-------|--|--|--|
| TYP       | CODE | Hubraum          | cm3/u | Standardgewinde |       |       |       |       |  |  |  |
| XV-1P/0.9 | 16   | 0.9              | I - I | B - B           | J - J | B - Z | Z - Z | G - F |  |  |  |
| XV-1P/1.2 | 17   | 1.2              | I - I | B - B           | J - J | B - Z | Z - Z | G - F |  |  |  |
| XV-1P/1.7 | 18   | 1.7              | I - I | B - B           | J - J | B - Z | Z - Z | G - F |  |  |  |
| XV-1P/2.2 | 20   | 2.2              | I - I | B - B           | J - J | B - Z | Z - Z | G - F |  |  |  |
| XV-1P/2.6 | 21   | 2.6              | I - I | B - B           | J - J | B - Z | Z - Z | G - F |  |  |  |
| XV-1P/3.2 | 23   | 3.2              | I - I | B - B           | J - J | B - Z | Z - Z | G - F |  |  |  |
| XV-1P/3.8 | 25   | 3.8              | I - I | B - B           | J - J | B - Z | Z - Z | G - F |  |  |  |
| XV-1P/4.3 | 27   | 4.3              | I - I | B - B           | J - J | B - Z | Z - Z | G - F |  |  |  |
| XV-1P/4.9 | 29   | 4.9              | I - I | B - B           | J - J | B - Z | Z - Z | G - F |  |  |  |
| XV-1P/5.9 | 31   | 5.9              | I - I | B - B           | J - J | B - Z | Z - Z | G - F |  |  |  |
| XV-1P/6.5 | 32   | 6.5              | I - I | B - B           | J - J | B - Z | Z - Z | G - F |  |  |  |
| XV-1P/7.8 | 34   | 7.8              | I - I | B - B           | J - J | B - Z | Z - Z | G - F |  |  |  |
| XV-1P/9.8 | 36   | 9.8              | I - I | B - B           | J - J | B - Z | Z - Z | G - F |  |  |  |

| Gehäuse (Gewinde und Anflansungen) |   |  |   |  |   |                     |   |   |   |  |   |  |   |
|------------------------------------|---|--|---|--|---|---------------------|---|---|---|--|---|--|---|
|                                    | A |  | B |  | C |                     | D |   | E |  | F |  | G |
|                                    | H |  | I |  | J | Gehäuse Geschlossen |   | Z |   |  |   |  |   |

Kombinationstabelle der lagermäßig vorrätigen Standardgewinde und Anflansungen