

# PVVM

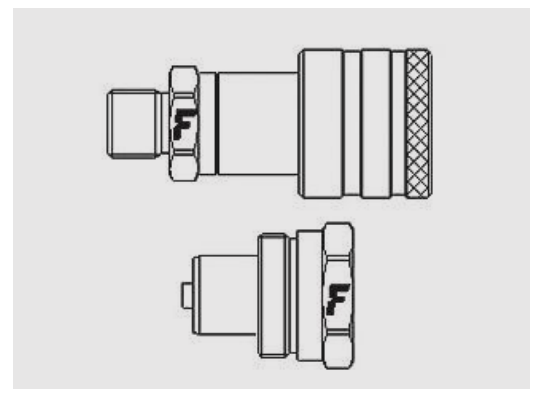


## Screw to connect couplings for high pressure, ISO 14540 interchange, poppet valve.

Screw-on couplings purposely designed for the heaviest applications (e.g.: hydraulic jacks for bridge maintenance). Equipped with a robust metal-to-metal sealing poppet valve, this series guarantees the best performance on the market in terms of maximum working pressure. ISO 14540 interchange.



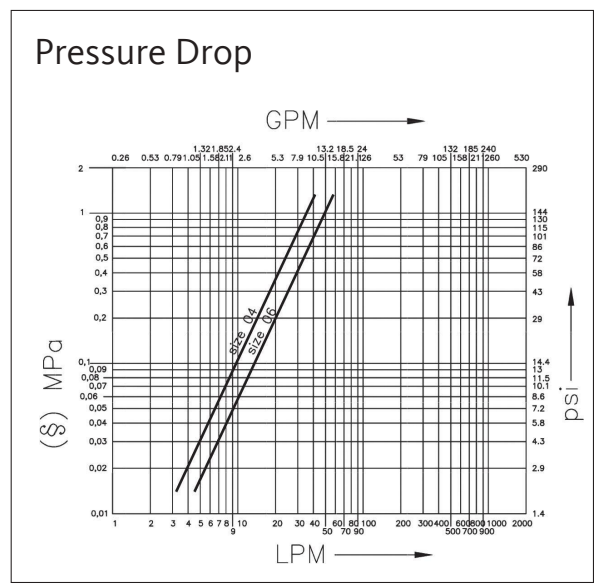
### Applications



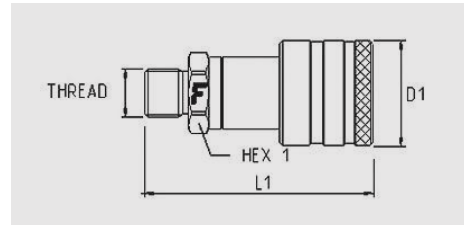
## Technical Specifications

| dash | Size |      | Working Pressure (MPa) | Flow Rate (l/min) | Spillage (ml) | Force to Connect (N) | Burst pressure (MPa) |        |               |
|------|------|------|------------------------|-------------------|---------------|----------------------|----------------------|--------|---------------|
|      | mm   | inch |                        |                   |               |                      | Male                 | Female | Male + Female |
| 04   | 6,3  | 1/4" | 103                    | 15                | 0,5           | 0                    | 310                  | 330    | 350           |
| 06   | 10   | 3/8" | 100                    | 20                | 1             | 0                    | 330                  | 300    | 350           |

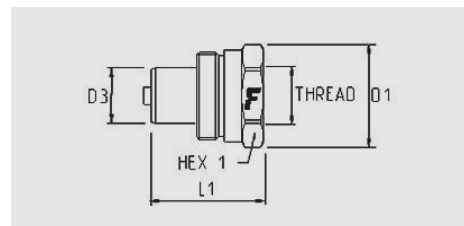
|                           |                              |
|---------------------------|------------------------------|
| Material                  | <b>Steel</b>                 |
| Seals                     | <b>NBR</b>                   |
| Working temperatures      | <b>- 25 °C to + 125 °C</b>   |
| Surface treatment         | <b>MATE 500 (CrIII)</b>      |
| Series Interchange        | <b>ISO 14540</b>             |
| Valve Type                | <b>Poppet</b>                |
| Connection                | <b>Screw to Connect</b>      |
| Disconnection             | <b>Unscrew to Disconnect</b> |
| Connection Under Pressure | <b>Allowed Residual</b>      |



# PVVM



| Size |     | Thread details |              |                       | FEMALE          |                 |      |    |      |      |      |
|------|-----|----------------|--------------|-----------------------|-----------------|-----------------|------|----|------|------|------|
| inch | mm  | Thread Type    | Standard     | Thread                | Part Number     | L (L1 + Thread) |      | D1 |      | HEX1 |      |
|      |     |                |              |                       |                 | mm              | inch | mm | inch | mm   | inch |
| 1/4" | 6,3 | 01/ NPTF       | ANSI B1.20.3 | NPTF 1/4 MALE         | PVVM1/14NPT F   | 63              | 2,5  | 33 | 1,3  | 21   | 0,8  |
| 3/8" | 10  | 01/ NPTF       | ANSI B1.20.3 | NPTF 3/8 MALE         | PVVM1/38NPT F   | 83              | 3,3  | 36 | 1,4  | 25   | 1    |
| 3/8" | 10  | 23/ BSPP       | n.a.         | BSPP 1/4 MALE SPECIAL | PVVM38-23/14G F | 147,7           | 5,8  | 36 | 1,4  | 25   | 1    |
| 3/8" | 10  | 01/ NPTF       | ANSI B1.20.3 | NPTF 1/4 MALE         | PVVM38-1/14NPTF | 148,7           | 5,9  | 36 | 1,4  | 25   | 1    |



| Size |     | Thread details |              |                       | MALE            |                 |      |      |      |    |      |      |      |
|------|-----|----------------|--------------|-----------------------|-----------------|-----------------|------|------|------|----|------|------|------|
| inch | mm  | Thread Type    | Standard     | Thread                | Part Number     | L (L1 + Thread) |      | D1   |      | D3 |      | HEX1 |      |
|      |     |                |              |                       |                 | mm              | inch | mm   | inch | mm | inch | mm   | inch |
| 1/4" | 6,3 | F NPTF         | ANSI B1.20.3 | NPTF 1/4 FEMALE       | PVVM 14 NPT M   | 34              | 1,3  | 30   | 1,2  |    |      | 27   | 1,1  |
| 3/8" | 10  | F NPTF         | ANSI B1.20.3 | NPTF 3/8 FEMALE       | PVVM 38 NPT M   | 39              | 1,5  | 35   | 1,4  |    |      | 32   | 1,3  |
| 3/8" | 10  | 23/ BSPP       | n.a.         | BSPP 1/4 MALE SPECIAL | PVVM38-23/14G M | 63,8            | 2,5  | 35,5 | 1,4  |    |      | 25   | 1    |

## Aluminium dust caps



Plugs suitable for FEMALE



Caps suitable for MALE

| Size |     |      | Plug Details |        | Size |     |      | Cap Details |        |
|------|-----|------|--------------|--------|------|-----|------|-------------|--------|
| inch | mm  | dash | Part number  | Colour | inch | mm  | dash | Part number | Colour |
| 1/4" | 6,3 | 04   | TMP 14       |        | 1/4" | 6,3 | 04   | TFP 14      |        |
| 3/8" | 10  | 06   | TMP 38       |        | 3/8" | 10  | 06   | TFP 38      |        |

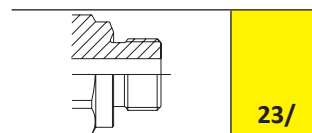
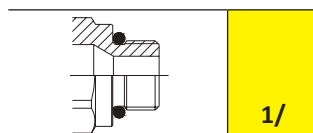
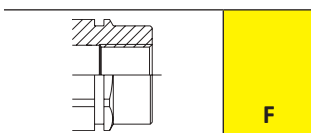
## Seal Kits



### For Female

| Size |     |      | Seal Details |             |
|------|-----|------|--------------|-------------|
| inch | mm  | dash | Material     | Part Number |
| 1/4" | 6,3 | 04   | NBR; PTFE    | SK PVVM 14  |
| 3/8" | 10  | 06   | NBR; PTFE    | SK PVVM 38  |

Every seals kit is composed of 5 or 10 pcs.



# PVSM

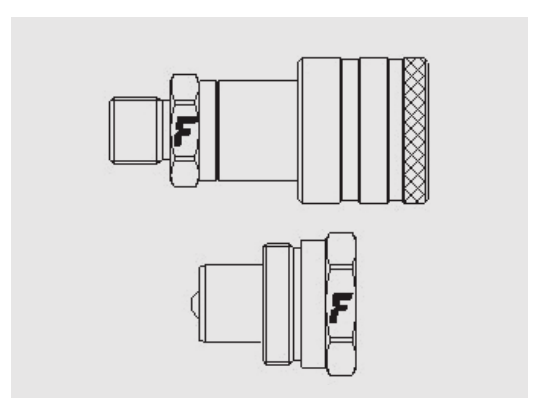


**Screw to connect couplings for high pressure, ISO 14540 interchange, ball valve.**

PVSM screw-to-connect couplings have been purposely designed for the heaviest applications in terms of working pressure. Equipped with a metal-to-metal sealing ball valve they are interchangeable according to ISO 14540 standards.



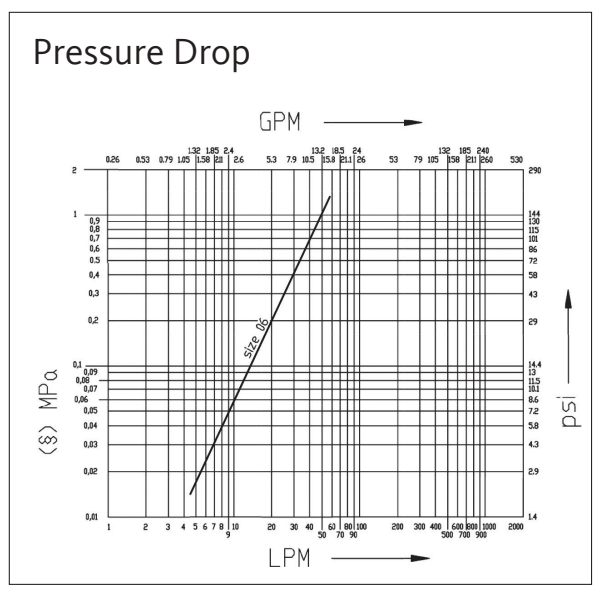
## Applications



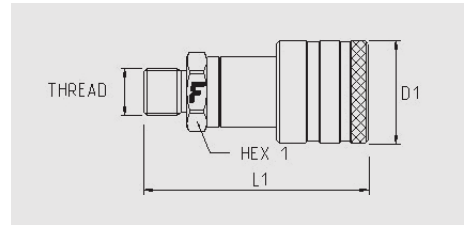
## Technical Specifications

| dash | Size |      | Working Pressure (MPa) | Flow Rate (l/min) | Spillage (ml) | Force to Connect (N) | Burst pressure (MPa) |        |               |
|------|------|------|------------------------|-------------------|---------------|----------------------|----------------------|--------|---------------|
|      | mm   | inch |                        |                   |               |                      | Male                 | Female | Male + Female |
| 06   | 10   | 3/8" | 72                     | 14                | 1             | 0                    | 144                  | 180    | 260           |

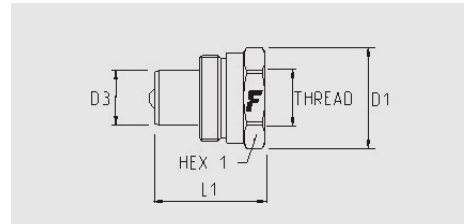
|                           |                              |
|---------------------------|------------------------------|
| Material                  | <b>Steel</b>                 |
| Seals                     | <b>NBR</b>                   |
| Working temperatures      | <b>- 25 °C to + 125 °C</b>   |
| Surface treatment         | <b>MATE 500 (CrIII)</b>      |
| Series Interchange        | <b>ISO 14540</b>             |
| Valve Type                | <b>Ball</b>                  |
| Connection                | <b>Screw to Connect</b>      |
| Disconnection             | <b>Unscrew to Disconnect</b> |
| Connection Under Pressure | <b>Allowed Residual</b>      |



**PVSM**



| Size |    | Thread details |              |               | FEMALE        |                 |      |      |      |      |      |
|------|----|----------------|--------------|---------------|---------------|-----------------|------|------|------|------|------|
| inch | mm | Thread Type    | Standard     | Thread        | Part Number   | L (L1 + Thread) |      | D1   |      | HEX1 |      |
|      |    |                |              |               |               | mm              | inch | mm   | inch | mm   | inch |
| 3/8" | 10 | 01/ NPTF       | ANSI B1.20.3 | NPTF 3/8 MALE | PVSM1/38NPT F | 77,5            | 3,1  | 36,0 | 1,4  |      |      |



| Size |    | Thread details |              |                 | MALE          |                 |      |      |      |      |      |      |      |
|------|----|----------------|--------------|-----------------|---------------|-----------------|------|------|------|------|------|------|------|
| inch | mm | Thread Type    | Standard     | Thread          | Part Number   | L (L1 + Thread) |      | D1   |      | D3   |      | HEX1 |      |
|      |    |                |              |                 |               | mm              | inch | mm   | inch | mm   | inch | mm   | inch |
| 3/8" | 10 | F NPTF         | ANSI B1.20.3 | NPTF 3/8 FEMALE | PVSM 38 NPT M | 39,0            | 1,5  | 35,5 | 1,4  | 19,0 | 0,7  | 32,0 | 1,3  |

**Aluminium dust caps**



**Plugs suitable for FEMALE**



**Caps suitable for MALE**

| Size |    |      | Plug Details |        | Size |    |      | Cap Details |        |
|------|----|------|--------------|--------|------|----|------|-------------|--------|
| inch | mm | dash | Part number  | Colour | inch | mm | dash | Part number | Colour |
| 3/8" | 10 | 06   | TMP 38       |        | 3/8" | 10 | 06   | TFP 38      |        |

**Seal Kits**



| Size |    |      | Seal Details |             |
|------|----|------|--------------|-------------|
| inch | mm | dash | Material     | Part Number |
| 3/8" | 10 | 06   | NBR; PTFE    | SK PVVM 38  |

Every seals kit is composed of 5 or 10 pcs.

