



FFHP

Flat face couplings, high pressure.

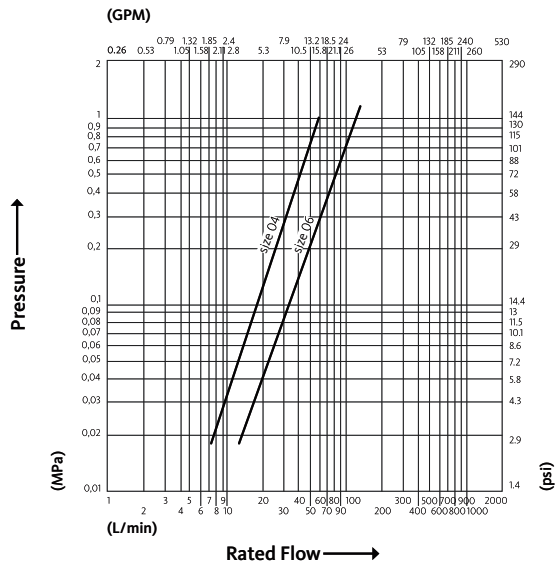
Flat-Face coupling with real maximum working pressure up to 72 MPa, suitable for very high pressure application. To avoid the use of an improper mix of products when dealing with high pressures, this series doesn't interchange with ISO 16028 quick couplings or with other flat face profiles suitable to low/medium pressure applications but only with dedicated products available on the market. The female half sleeve rotates automatically after the coupling connection to provide an additional safety feature against unintentional disconnections.



Applications



Pressure Drop



Test performed according to ISO 18869

Technical Specifications

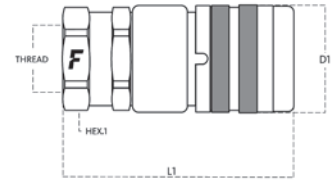
| dash | Size mm | inch | Working Pressure (MPa) | Flow Rate (l/min) | Spillage (ml) | Force to Connect (N) | Burst pressure (MPa) | | |
|------|------------|------|---------------------------|----------------------|------------------|-------------------------|----------------------|--------|------------------|
| | | | | | | | Male | Female | Male + Female |
| 04 | 6.3 | 1/4" | 72 | 25 | 0.01 | 110 | 216 | 150 | 216 |
| 06 | 10 | 3/8" | 72 | 46 | 0.02 | 200 | 216 | 125 | 216 |

| | |
|----------------------|----------------------------|
| Material | Steel |
| Seals | NBR; PUR |
| Working temperatures | - 25 °C to + 100 °C |
| Surface treatment | MATE 1000 (Zn-Ni) |
| Series Interchange | MARKET |

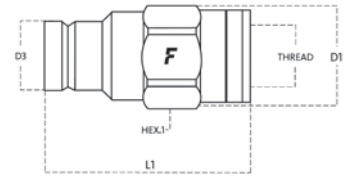
| | |
|---------------------------|--------------------------|
| Valve Type | Flat |
| Connection | Push to Connect |
| Disconnection | Sleeve Retraction |
| Connection Under Pressure | Not Allowed |



FFHP



| Size | | Thread details | | | FEMALE | | | | | | |
|------|------|----------------|--------------|------------------|----------------|-----------------|------|------|------|------|------|
| mm | inch | Thread Type | Standard | Thread | Part Number | L (L1 + Thread) | | D1 | | HEX1 | |
| | | | | | | mm | inch | mm | inch | mm | inch |
| 6.3 | 1/4" | F NPTF | ANSI B1.20.3 | NPTF 1/4" FEMALE | FFHP04 14NPT F | 58.9 | 2.32 | 29.2 | 1.15 | 24 | 0.94 |
| 10 | 3/8" | F NPTF | ANSI B1.20.3 | NPTF 3/8" FEMALE | FFHP06 38NPT F | 75.1 | 2.96 | 32.2 | 1.27 | 27 | 1.06 |



| Size | | Thread details | | | MALE | | | | | | | | |
|------|------|----------------|--------------|------------------|----------------|-----------------|------|----|------|-------|------|------|------|
| mm | inch | Thread Type | Standard | Thread | Part Number | L (L1 + Thread) | | D1 | | D3 | | HEX1 | |
| | | | | | | mm | inch | mm | inch | mm | inch | mm | inch |
| 6.3 | 1/4" | F NPTF | ANSI B1.20.3 | NPTF 1/4" FEMALE | FFHP04 14NPT M | 49 | 1.93 | 26 | 1.02 | 16.5 | 0.65 | 24 | 0.94 |
| 10 | 3/8" | F NPTF | ANSI B1.20.3 | NPTF 3/8" FEMALE | FFHP06 38NPT M | 68.3 | 2.69 | 33 | 1.3 | 19.45 | 0.77 | 30 | 1.18 |

