



HNV brass

Standard couplings for industrial applications, ISO 7241 part B interchange, brass versions.

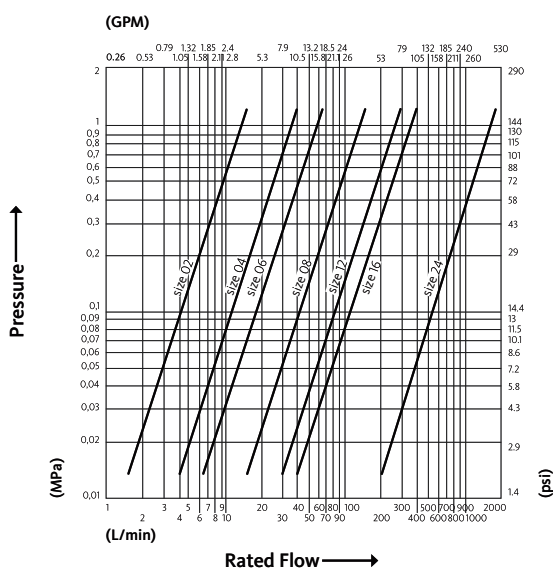
Standard couplings for industrial applications with brass components. Available with NBR or Viton seals. ISO 7241 part B interchange.



Applications



Pressure Drop



Test performed according to ISO 18869

Technical Specifications

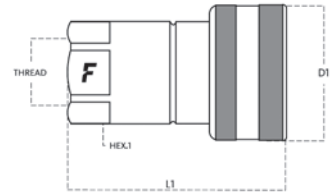
| dash | Size mm | inch | Working Pressure (MPa) | Flow Rate (l/min) | Spillage (ml) | Force to Connect (N) | Burst pressure (MPa) | | |
|------|------------|--------|---------------------------|----------------------|------------------|-------------------------|----------------------|--------|------------------|
| | | | | | | | Male | Female | Male + Female |
| 02 | 3.2 | 1/8" | 22 | 6 | 0.5 | 110 | 90 | 140 | 150 |
| 04 | 6.3 | 1/4" | 20 | 16 | 1 | 75 | 80 | 120 | 120 |
| 06 | 10 | 3/8" | 15 | 25 | 1.5 | 78 | 60 | 70 | 100 |
| 08 | 12.5 | 1/2" | 17 | 60 | 2.8 | 97 | 70 | 90 | 90 |
| 12 | 20 | 3/4" | 10 | 110 | 10 | 120 | 40 | 50 | 100 |
| 16 | 25 | 1" | 14 | 150 | 13 | 180 | 56 | 58 | 80 |
| 24 | 37.5 | 1-1/2" | 7 | 750 | 80 | 185 | 30 | 33 | 40 |

| | |
|----------------------|----------------------------|
| Material | Brass |
| Seals | NBR; VITON* |
| Working temperatures | - 25 °C to + 125 °C |
| Surface treatment | |
| Series Interchange | ISO 7241 part B |

| | |
|---------------------------|--------------------------|
| Valve Type | Poppet |
| Connection | Sleeve Retraction |
| Disconnection | Sleeve Retraction |
| Connection Under Pressure | Not Allowed |

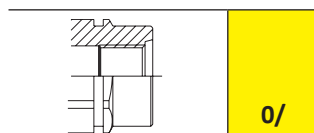
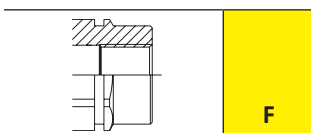


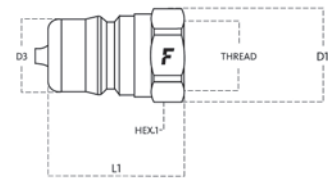
* Working temperatures: - 20 °C to + 200 °C.



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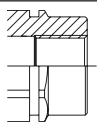
| Size | | Thread details | | | FEMALE | | | | | | |
|------|--------|----------------|--------------|------------------------|-----------------|-----------------|------|----|------|------|------|
| mm | inch | Thread Type | Standard | Thread | Part Number | L (L1 + Thread) | | D1 | | HEX1 | |
| | | | | | | mm | inch | mm | inch | mm | inch |
| 3.2 | 1/8" | F NPTF | ANSI B1.20.3 | NPTF 1/8" FEMALE | HNV 18 NPT F 5V | 50 | 1.97 | 23 | 0.91 | 18 | 0.71 |
| 3.2 | 1/8" | F NPTF | ANSI B1.20.3 | NPTF 1/8" FEMALE | HNV 18 NPT F 5 | 50 | 1.97 | 23 | 0.91 | 18 | 0.71 |
| 3.2 | 1/8" | F BSPP | ISO 1179-1 | BSPP 1/8" FEMALE | HNV 18 GAS F 5V | 50 | 1.97 | 23 | 0.91 | 18 | 0.71 |
| 3.2 | 1/8" | F BSPP | ISO 1179-1 | BSPP 1/8" FEMALE | HNV 18 GAS F 5 | 50 | 1.97 | 23 | 0.91 | 18 | 0.71 |
| 6.3 | 1/4" | F NPTF | ANSI B1.20.3 | NPTF 1/4" FEMALE | HNV 14 NPT F 5V | 56 | 2.2 | 28 | 1.1 | 19 | 0.75 |
| 6.3 | 1/4" | F NPTF | ANSI B1.20.3 | NPTF 1/4" FEMALE | HNV 14 NPT F 5 | 56 | 2.2 | 28 | 1.1 | 19 | 0.75 |
| 6.3 | 1/4" | F BSPP | ISO 1179-1 | BSPP 1/4" FEMALE | HNV 14 GAS F 5V | 56 | 2.2 | 28 | 1.1 | 19 | 0.75 |
| 6.3 | 1/4" | F BSPP | ISO 1179-1 | BSPP 1/4" FEMALE | HNV 14 GAS F 5 | 56 | 2.2 | 28 | 1.1 | 19 | 0.75 |
| 10 | 3/8" | F NPTF | ANSI B1.20.3 | NPTF 3/8" FEMALE | HNV 38 NPT F 5V | 64 | 2.52 | 34 | 1.34 | 24 | 0.94 |
| 10 | 3/8" | F NPTF | ANSI B1.20.3 | NPTF 3/8" FEMALE | HNV 38 NPT F 5 | 64 | 2.52 | 35 | 1.38 | 24 | 0.94 |
| 10 | 3/8" | F BSPP | ISO 1179-1 | BSPP 3/8" FEMALE | HNV 38 GAS F 5V | 64 | 2.52 | 35 | 1.38 | 24 | 0.94 |
| 10 | 3/8" | F BSPP | ISO 1179-1 | BSPP 3/8" FEMALE | HNV 38 GAS F 5 | 64 | 2.52 | 35 | 1.38 | 24 | 0.94 |
| 12.5 | 1/2" | O/ SAE | ISO 11926-1 | 3/4"-16 UNF FEMALE ORB | HNV 12-12SAEF5V | 71.5 | 2.81 | 44 | 1.73 | 30 | 1.18 |
| 12.5 | 1/2" | F NPTF | ANSI B1.20.3 | NPTF 1/2" FEMALE | HNV 12 NPT F 5V | 71.5 | 2.81 | 44 | 1.73 | 30 | 1.18 |
| 12.5 | 1/2" | F NPTF | ANSI B1.20.3 | NPTF 1/2" FEMALE | HNV 12 NPT F 5 | 71.5 | 2.81 | 44 | 1.73 | 30 | 1.18 |
| 12.5 | 1/2" | F BSPP | ISO 1179-1 | BSPP 1/2" FEMALE | HNV 12 GAS F 5V | 71.6 | 2.82 | 44 | 1.73 | 30 | 1.18 |
| 12.5 | 1/2" | F BSPP | ISO 1179-1 | BSPP 1/2" FEMALE | HNV 12 GAS F 5 | 71.6 | 2.82 | 44 | 1.73 | 30 | 1.18 |
| 20 | 3/4" | F NPTF | ANSI B1.20.3 | NPTF 3/4" FEMALE | HNV 34 NPT F 5V | 89 | 3.5 | 52 | 2.05 | 36 | 1.42 |
| 20 | 3/4" | F NPTF | ANSI B1.20.3 | NPTF 3/4" FEMALE | HNV 34 NPT F 5 | 89 | 3.5 | 52 | 2.05 | 36 | 1.42 |
| 20 | 3/4" | F BSPP | ISO 1179-1 | BSPP 3/4" FEMALE | HNV 34 GAS F 5V | 89 | 3.5 | 52 | 2.05 | 36 | 1.42 |
| 20 | 3/4" | F BSPP | ISO 1179-1 | BSPP 3/4" FEMALE | HNV 34 GAS F 5 | 89 | 3.5 | 52 | 2.05 | 36 | 1.42 |
| 25 | 1" | F NPTF | ANSI B1.20.3 | NPTF 1" FEMALE | HNV 1 NPT F 5V | 106 | 4.17 | 62 | 2.44 | 41 | 1.61 |
| 25 | 1" | F NPTF | ANSI B1.20.3 | NPTF 1" FEMALE | HNV 1 NPT F 5 | 106 | 4.17 | 62 | 2.44 | 41 | 1.61 |
| 25 | 1" | F BSPP | ISO 1179-1 | BSPP 1" FEMALE | HNV 1 GAS F 5V | 106 | 4.17 | 62 | 2.44 | 41 | 1.61 |
| 25 | 1" | F BSPP | ISO 1179-1 | BSPP 1" FEMALE | HNV 1 GAS F 5 | 106 | 4.17 | 62 | 2.44 | 41 | 1.61 |
| 37.5 | 1-1/2" | F NPTF | ANSI B1.20.3 | NPTF 1-1/2" FEMALE | HNV112 NPT F 5 | 126 | 4.96 | 75 | 2.95 | 65 | 2.56 |
| 37.5 | 1-1/2" | F BSPP | ISO 1179-1 | BSPP 1-1/2" FEMALE | HNV112 GAS F5V | 126 | 4.96 | 75 | 2.95 | 65 | 2.56 |
| 37.5 | 1-1/2" | F BSPP | ISO 1179-1 | BSPP 1-1/2" FEMALE | HNV112 GAS F 5 | 126 | 4.96 | 75 | 2.95 | 65 | 2.56 |





HNV brass

| 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 | |
| 3.2 | 1/8" | F NPTF | ANSI B1.20.3 | NPTF 1/8" FEMALE | HNV 18 NPT M 5V | 31.5 | 1.24 | 18 | 0.71 | 10.8 | 0.43 | 16 | 0.63 | |
| 3.2 | 1/8" | F NPTF | ANSI B1.20.3 | NPTF 1/8" FEMALE | HNV 18 NPT M 5 | 31.5 | 1.24 | 18 | 0.71 | 10.8 | 0.43 | 16 | 0.63 | |
| 3.2 | 1/8" | F BSPP | ISO 1179-1 | BSPP 1/8" FEMALE | HNV 18 GAS M 5V | 31.5 | 1.24 | 18 | 0.71 | 10.8 | 0.43 | 18 | 0.71 | |
| 3.2 | 1/8" | F BSPP | ISO 1179-1 | BSPP 1/8" FEMALE | HNV 18 GAS M 5 | 31.5 | 1.24 | 18 | 0.71 | 10.8 | 0.43 | 18 | 0.71 | |
| 6.3 | 1/4" | F METRIC | ISO 9974-1 | M12x1 FEMALE | HNV 14-1210 M5V | 35 | 1.38 | 21 | 0.83 | 14.1 | 0.56 | 19 | 0.75 | |
| 6.3 | 1/4" | F NPTF | ANSI B1.20.3 | NPTF 1/4" FEMALE | HNV 14 NPT M 5V | 35 | 1.38 | 21 | 0.83 | 14.1 | 0.56 | 19 | 0.75 | |
| 6.3 | 1/4" | F NPTF | ANSI B1.20.3 | NPTF 1/4" FEMALE | HNV 14 NPT M 5 | 35 | 1.38 | 21 | 0.83 | 14.1 | 0.56 | 19 | 0.75 | |
| 6.3 | 1/4" | F BSPP | ISO 1179-1 | BSPP 1/4" FEMALE | HNV 14 GAS M 5V | 35 | 1.38 | 21 | 0.83 | 14.1 | 0.56 | 19 | 0.75 | |
| 6.3 | 1/4" | F BSPP | ISO 1179-1 | BSPP 1/4" FEMALE | HNV 14 GAS M 5 | 35 | 1.38 | 21 | 0.83 | 14.1 | 0.56 | 19 | 0.75 | |
| 10 | 3/8" | F NPTF | ANSI B1.20.3 | NPTF 3/8" FEMALE | HNV 38 NPT M 5V | 39 | 1.54 | 24.5 | 0.96 | 19 | 0.75 | 22 | 0.87 | |
| 10 | 3/8" | F NPTF | ANSI B1.20.3 | NPTF 3/8" FEMALE | HNV 38 NPT M 5 | 39 | 1.54 | 24.5 | 0.96 | 19 | 0.75 | 22 | 0.87 | |
| 10 | 3/8" | F BSPP | ISO 1179-1 | BSPP 3/8" FEMALE | HNV 38 GAS M 5V | 39 | 1.54 | 24.5 | 0.96 | 19 | 0.75 | 22 | 0.87 | |
| 10 | 3/8" | F BSPP | ISO 1179-1 | BSPP 3/8" FEMALE | HNV 38 GAS M 5 | 39 | 1.54 | 24.5 | 0.96 | 19 | 0.75 | 24 | 0.94 | |
| 12.5 | 1/2" | F NPTF | ANSI B1.20.3 | NPTF 1/2" FEMALE | HNV 12 NPT M 5V | 44 | 1.73 | 30 | 1.18 | 23.5 | 0.93 | 27 | 1.06 | |
| 12.5 | 1/2" | F NPTF | ANSI B1.20.3 | NPTF 1/2" FEMALE | HNV 12 NPT M 5 | 44 | 1.73 | 30 | 1.18 | 23.5 | 0.93 | 27 | 1.06 | |
| 12.5 | 1/2" | F BSPP | ISO 1179-1 | BSPP 1/2" FEMALE | HNV 12 GAS M 5V | 44 | 1.73 | 30 | 1.18 | 23.5 | 0.93 | 27 | 1.06 | |
| 12.5 | 1/2" | F BSPP | ISO 1179-1 | BSPP 1/2" FEMALE | HNV 12 GAS M 5 | 44 | 1.73 | 30 | 1.18 | 23.5 | 0.93 | 27 | 1.06 | |
| 20 | 3/4" | F NPTF | ANSI B1.20.3 | NPTF 3/4" FEMALE | HNV 34 NPT M 5V | 55 | 2.17 | 38 | 1.5 | 31.5 | 1.24 | 34 | 1.34 | |
| 20 | 3/4" | F NPTF | ANSI B1.20.3 | NPTF 3/4" FEMALE | HNV 34 NPT M 5 | 55 | 2.17 | 38 | 1.5 | 31.5 | 1.24 | 34 | 1.34 | |
| 20 | 3/4" | F BSPP | ISO 1179-1 | BSPP 3/4" FEMALE | HNV 34 GAS M 5V | 55 | 2.17 | 38 | 1.5 | 31.5 | 1.24 | 34 | 1.34 | |
| 20 | 3/4" | F BSPP | ISO 1179-1 | BSPP 3/4" FEMALE | HNV 34 GAS M 5 | 55 | 2.17 | 38 | 1.5 | 31.5 | 1.24 | 34 | 1.34 | |
| 25 | 1" | F NPTF | ANSI B1.20.3 | NPTF 1" FEMALE | HNV 1 NPT M 5V | 66 | 2.6 | 45 | 1.77 | 37.8 | 1.49 | 41 | 1.61 | |
| 25 | 1" | F BSPP | ISO 1179-1 | BSPP 1" FEMALE | HNV 1 GAS M 5V | 66 | 2.6 | 45 | 1.77 | 37.8 | 1.49 | 41 | 1.61 | |
| 25 | 1" | F BSPP | ISO 1179-1 | BSPP 1" FEMALE | HNV 1 GAS M 5 | 66 | 2.6 | 45 | 1.77 | 37.8 | 1.49 | 41 | 1.61 | |
| 37.5 | 1-1/2" | F NPTF | ANSI B1.20.3 | NPTF 1-1/2" FEMALE | HNV112 NPT M 5 | 123.5 | 4.86 | 70 | 2.76 | 44.5 | 1.75 | 65 | 2.56 | |
| 37.5 | 1-1/2" | F BSPP | ISO 1179-1 | BSPP 1-1/2" FEMALE | HNV112 GAS M 5V | 123.5 | 4.86 | 70 | 2.76 | 44.5 | 1.75 | 65 | 2.56 | |
| 37.5 | 1-1/2" | F BSPP | ISO 1179-1 | BSPP 1-1/2" FEMALE | HNV112 GAS M 5 | 123.5 | 4.86 | 70 | 2.76 | 44.5 | 1.75 | 65 | 2.56 | |

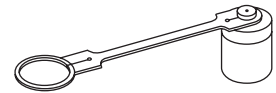
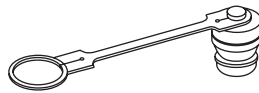


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HNV brass Accessories and Spares



PVC dust protections



Aluminium dust protections



Seals Kits