



rtc[®]

COUPLING TECHNOLOGY



HIGH PRESSURE TYPE

202

rtc TYPE



Temperature Range - Temperaturbereich

| | |
|---------------------------|-------------------------------|
| Nitrile (N) | -20°C + 100°C (-4°F + 212°F) |
| FPM (V) | -20°C + 180°C (-4°F + 356°F) |
| EPDM (Ethylene Propylene) | -40°C + 150°C (-40°F + 302°F) |

Max. Working Pressure - Max. Betriebsdruck

Please Check the table below

Flow size - Nennweite

| | |
|------------|-------|
| rtc 202.04 | 4 mm |
| rtc 202.06 | 6 mm |
| rtc 202.10 | 10 mm |
| rtc 202.16 | 16 mm |
| rtc 202.20 | 20 mm |
| rtc 202.32 | 32 mm |

Material of Standard Coupler

Material für die Standardversion

| | |
|---------------------------------------|---|
| Socket body - Kupplungsgrundkörper | Steel tenifer threaded - Stahl teneferiert |
| Valve - Ventil | Steel tenifer threaded - Stahl teneferiert |
| Springs - Federn | Stainless Steel - Edelstahl |
| Balls - Kugeln | Stainless Steel - Edelstahl |
| Locking Ring - Sprengring | Stainless Steel - Edelstahl |
| Plug - Nippel | Steel tenifer threaded Stahl teneferiert |

Compatible - Kompatibilität

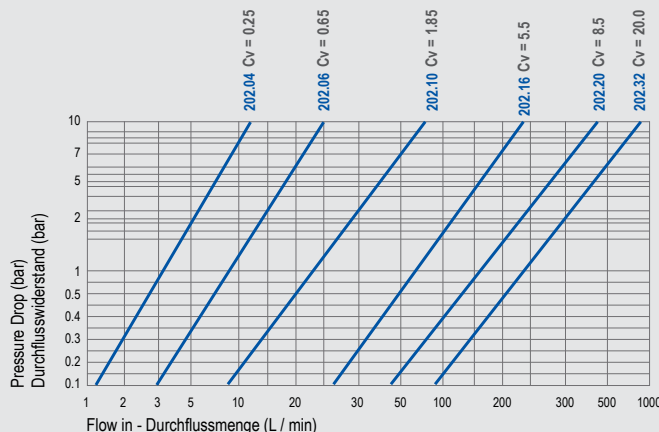
| | |
|------------|--------|
| rtc 202.04 | HP-004 |
| rtc 202.06 | HP-006 |
| rtc 202.10 | HP-010 |
| rtc 202.16 | HP-016 |
| rtc 202.20 | HP-020 |
| rtc 202.32 | HP-032 |

| Options / Optionen | Add | Example Code |
|---|-----|-----------------------------|
| Steel Stahl | ST | 202.06 SMB 13- ST |
| Chemical Nickel Plated Chemisch Vernickelt | KN | 202.06 SMB 13- ST-KN |



| Nominal Ø Nennweite Ø | Flow Area Fläche | Maximum Working Pressure (Bar) - Maximaler Betriebsdruck (Bar) | | |
|--------------------------|---------------------|--|---------------------|--------------------|
| | | Steel - ST | 316L Stainless - SS | 420 Stainless - SS |
| 4 mm | 13 mm ² | 2.000 | 500 | 1.000 |
| 6 mm | 30 mm ² | 1.000 | 320 | 650 |
| 10 mm | 80 mm ² | 600 | 300 | 470 |
| 16 mm | 200 mm ² | 500 | 250 | 450 |
| 20 mm | 315 mm ² | 400 | 180 | 350 |
| 32 mm | 800 mm ² | 300 | 180 | 250 |

Flow Rate vs Pressure Drop Graph / Durchflussrate vs Druckabfall



202
rtc TYPE

rtc TYPE 202 Female thread socket / Kupplung mit Innengewinde



| Socket / Kupplung | Size Größe | Order No / Bestellnr. With Valve / Mit Ventil | Order No / Bestellnr. Without Valve / Ohne Ventil | Ød | Ød1 | L | HEX. |
|-------------------|---------------|---|---|---------|-----|-----|------|
| | 04 | 202.04 SNB 13 | 202.04 SNF 13 | NPT 1/4 | 30 | 69 | 22 |
| | 06 | 202.06 SFB 17 | 202.06 SFF 17 | BSP 3/8 | 34 | 75 | 30 |
| | | 202.06 SNB 17 | 202.06 SNF 17 | NPT 3/8 | 34 | 82 | 30 |
| | 10 | 202.10 SFB 21 | 202.10 SFF 21 | BSP 1/2 | 46 | 97 | 41 |
| | | 202.10 SNB 21 | 202.10 SNF 21 | NPT 1/2 | 46 | 101 | 41 |
| 16 | 202.16 SFB 26 | 202.16 SFF 26 | BSP 3/4 | 56 | 111 | 46 | |
| 20 | 202.20 SFB 33 | 202.20 SFF 33 | BSP 1 | 62 | 123 | 55 | |

rtc TYPE 202 Male thread socket / Kupplung mit Aussengewinde



| Socket / Kupplung | Size Größe | Order No / Bestellnr. With Valve / Mit Ventil | Order No / Bestellnr. Without Valve / Ohne Ventil | Ød | Ød1 | L | L1 | HEX. |
|-------------------|------------------|---|---|---------|-----|-----|----|------|
| | 04 | 202.04 STB 13-00 | 202.04 STF 13-00 | NPT 1/4 | 30 | 72 | 14 | 22 |
| | 06 | 202.06 SMB 17-00 | 202.06 SMF 17-00 | BSP 3/8 | 34 | 76 | 15 | 30 |
| | | 202.06 STB 17-00 | 202.06 STF 17-00 | NPT 3/8 | 34 | 76 | 15 | 30 |
| | 10 | 202.10 SMB 21-00 | 202.10 SMF 21-00 | BSP 1/2 | 46 | 98 | 17 | 41 |
| | 16 | 202.16 SMB 26-00 | 202.16 SMF 26-00 | BSP 3/4 | 56 | 116 | 19 | 46 |
| 20 | 202.20 SMB 33-00 | 202.20 SMF 33-00 | BSP 1 | 62 | 120 | 21 | 55 | |
| 32 | 202.32 SMB 48-00 | 202.32 SMF 48-00 | BSP 1-1/2 | 90 | 145 | 25 | 80 | |
| | 202.32 SMB 60-00 | 202.32 SMF 60-00 | BSP 2 | 90 | 150 | 30 | 80 | |

rtc TYPE 202 Male thread socket with 60° sealing cone / Kupplung mit Aussengewinde 60° Dichtkonus



| Socket / Kupplung | Size Größe | Order No / Bestellnr. With Valve / Mit Ventil | Order No / Bestellnr. Without Valve / Ohne Ventil | Ød | Ød1 | L | L1 | HEX. |
|-------------------|------------|---|---|---------|-----|-----|----|------|
| | 04 | 202.04 SMB 13 | 202.04 SMF 13 | BSP 1/4 | 30 | 70 | 12 | 22 |
| | 06 | 202.06 SMB 17 | 202.06 SMF 17 | BSP 3/8 | 34 | 78 | 12 | 30 |
| | | 202.06 STB 17 | 202.06 STF 17 | NPT 3/8 | 34 | 81 | 15 | 30 |
| | | 202.06 SMB 1415 | 202.06 SMF 1415 | M14x1.5 | 34 | 76 | 10 | 30 |
| | | 202.06 SMB 1615 | 202.06 SMF 1615 | M16x1.5 | 34 | 77 | 11 | 30 |
| | 10 | 202.10 SMB 21 | 202.106 SMF 21 | BSP 1/2 | 46 | 96 | 15 | 41 |
| | | 202.10 SMB 1815 | 202.10 SMF 1815 | M18x1.5 | 46 | 92 | 11 | 41 |
| | | 202.10 SMB 2215 | 202.10 SMF 2215 | M22x1.5 | 46 | 93 | 12 | 41 |
| | 16 | 202.16 SMB 26 | 202.16 SMF 26 | BSP 3/4 | 56 | 114 | 17 | 46 |
| | | 202.16 SMB 2215 | 202.16 SMF 2215 | M22x1.5 | 56 | 109 | 12 | 46 |
| | 20 | 202.20 SMB 33 | 202.20 SMF 33 | BSP 1 | 62 | 119 | 20 | 55 |
| | | 202.20 SMB 2615 | 202.20 SMF 2615 | M26x1.5 | 62 | 111 | 12 | 55 |
| | | 202.20 SMB 3015 | 202.20 SMF 3015 | M30x1.5 | 62 | 113 | 14 | 55 |
| | 32 | 202.32 SMB 3815 | 202.32 SMF 3815 | M38x1.5 | 90 | 134 | 14 | 80 |
| | | 202.32 SMB 4515 | 202.32 SMF 4515 | M45x1.5 | 90 | 136 | 16 | 80 |



Male thread socket with 24° sealing cone / Kupplung mit Aussengewinde 24° Dichtkonus

TYPE 202 **rtc**

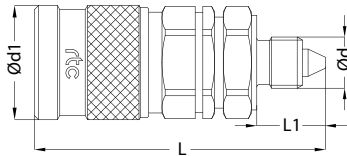
| Socket / Kupplung | Size Größe | Order No / Bestellnr. With Valve / Mit Ventil | Order No / Bestellnr. Without Valve / Ohne Ventil | Ød | Ød1 | Ød2 | L | L1 | HEX. |
|-------------------|------------|---|---|---------|-----|-----|-----|----|------|
| | 06 | 202.06 SMB 1615-08 | 202.06 SMF 1615-08 | M16x1.5 | 34 | 8 | 73 | 12 | 30 |
| | | 202.06 SMB 1815-10 | 202.06 SMF 1815-10 | M18x1.5 | 34 | 10 | 73 | 12 | 30 |
| | | 202.06 SMB 2015-12 | 202.06 SMF 2015-12 | M20x1.5 | 34 | 12 | 73 | 12 | 30 |
| | 10 | 202.10 SMB 2015-12 | 202.10 SMF 2015-12 | M20x1.5 | 46 | 12 | 93 | 12 | 41 |
| | | 202.10 SMB 2215-14 | 202.10 SMF 2215-14 | M22x1.5 | 46 | 14 | 95 | 14 | 41 |
| | | 202.10 SMB 2415-16 | 202.10 SMF 2415-16 | M24x1.5 | 46 | 16 | 95 | 14 | 41 |
| | 16 | 202.16 SMB 2415-16 | 202.16 SMF 2415-16 | M24x1.5 | 56 | 16 | 111 | 14 | 46 |
| | | 202.16 SMB 3020-20 | 202.16 SMF 3020-20 | M30x2.0 | 56 | 20 | 113 | 16 | 46 |
| | 20 | 202.20 SMB 3020-20 | 202.20 SMF 3020-20 | M30x2.0 | 62 | 20 | 115 | 16 | 55 |
| | | 202.20 SMB 3620-25 | 202.20 SMF 3620-25 | M36x2.0 | 62 | 25 | 117 | 18 | 55 |
| | 32 | 202.32 SMB 4220-30 | 202.32 SMF 4220-30 | M42x2.0 | 90 | 30 | 140 | 20 | 80 |
| | | 202.32 SMB 5220-38 | 202.32 SMF 5220-38 | M52x2.0 | 90 | 38 | 142 | 22 | 80 |



Male thread socket / Kupplung mit Aussengewinde

TYPE 202 **rtc**

| Socket / Kupplung | Size Größe | Order No / Bestellnr. With Valve / Mit Ventil | Order No / Bestellnr. Without Valve / Ohne Ventil | Ød | Ød1 | L | L1 | HEX. |
|-------------------|------------|---|---|-------------|-----|----|----|------|
| | 04 | 202.04 SUB 1418 | 202.04 SUF 1418 | UNF 9/16-18 | 30 | 76 | 18 | 22 |



Female thread plug / Nippel mit Innengewinde

TYPE 202 **rtc**

| Plug / Nippel | Size Größe | Order No / Bestellnr. With Valve / Mit Ventil | Ød | Ød1 | L | HEX. |
|---------------|---------------|---|---------------|---------|-----|------|
| | 04 | 202.04 PNB 13 | NPT 1/4 | 30 | 69 | 22 |
| | | 06 | 202.06 PFB 17 | BSP 3/8 | 34 | 73 |
| | 202.06 PNB 17 | | NPT 3/8 | 34 | 80 | 30 |
| | 10 | 202.10 PFB 21 | BSP 1/2 | 46 | 97 | 41 |
| | | 202.10 PNB 21 | NPT 1/2 | 46 | 101 | 41 |
| | 16 | 202.16 PFB 26 | BSP 3/4 | 56 | 110 | 46 |
| | 20 | 202.20 PFB 33 | BSP 1 | 62 | 123 | 55 |

rtc TYPE 202

Male thread plug / Nippel mit Aussengewinde



| Plug / Nippel | Size Größe | Order No / Bestellnr. With Valve / Mit Ventil | Ød | Ød1 | L | L1 | HEX. |
|---------------|------------|---|-----------|-----|-----|----|------|
| | 04 | 202.04 PTB 13-00 | NPT 1/4 | 30 | 72 | 14 | 22 |
| | 06 | 202.06 PMB 17-00 | BSP 3/8 | 34 | 80 | 12 | 30 |
| | 10 | 202.10 PMB 21-00 | BSP 1/2 | 46 | 98 | 17 | 41 |
| | 16 | 202.16 PMB 26-00 | BSP 3/4 | 56 | 116 | 19 | 46 |
| | 20 | 202.20 PMB 33-00 | BSP 1 | 62 | 120 | 21 | 55 |
| | 32 | 202.32 PMB 48-00 | BSP 1-1/2 | 90 | 145 | 25 | 80 |
| | 32 | 202.32 PMB 60-00 | BSP 2 | 90 | 150 | 30 | 80 |

rtc TYPE 202

Male thread plug with 60° sealing cone / Nippel mit Aussengewinde 60° Dichtkonus



| Plug / Nippel | Size Größe | Order No / Bestellnr. With Valve / Mit Ventil | Ød | Ød1 | L | L1 | HEX. |
|---------------|------------|---|---------|-----|-----|----|------|
| | 04 | 202.04 PMB 13 | BSP 1/4 | 30 | 70 | 12 | 22 |
| | 06 | 202.06 PMB 17 | BSP 3/8 | 34 | 71 | 12 | 30 |
| | | 202.06 PTB 17 | NPT 3/8 | 34 | 74 | 15 | 30 |
| | | 202.06 PMB 1415 | M14x1.5 | 34 | 69 | 10 | 30 |
| | | 202.06 PMB 1615 | M16x1.5 | 34 | 70 | 11 | 30 |
| | 10 | 202.10 PMB 21 | BSP 1/2 | 46 | 96 | 15 | 41 |
| | | 202.10 PMB 1815 | M18x1.5 | 46 | 92 | 11 | 41 |
| | | 202.10 PMB 2215 | M22x1.5 | 46 | 93 | 12 | 41 |
| | 16 | 202.16 PMB 26 | BSP 3/4 | 56 | 114 | 17 | 46 |
| | | 202.16 PMB 2215 | M22x1.5 | 56 | 109 | 12 | 46 |
| | 20 | 202.20 PMB 33 | BSP 1 | 62 | 119 | 20 | 55 |
| | | 202.20 PMB 2615 | M26x1.5 | 62 | 111 | 12 | 55 |
| | | 202.20 PMB 3015 | M30x1.5 | 62 | 113 | 14 | 55 |
| | 32 | 202.32 PMB 3815 | M38x1.5 | 90 | 134 | 14 | 80 |
| | | 202.32 PMB 4515 | M45x1.5 | 90 | 136 | 16 | 80 |

rtc TYPE 202

Male thread plug with 24° sealing cone / Nippel mit Aussengewinde 24° Dichtkonus



| Plug / Nippel | Size Größe | Order No / Bestellnr. With Valve / Mit Ventil | Ød | Ød1 | Ød2 | L | L1 | HEX. |
|---------------|------------|---|---------|-----|-------|-----|----|------|
| | 06 | 202.06 PMB 1615-08 | M16x1.5 | 34 | 8 mm | 71 | 12 | 30 |
| | | 202.06 PMB 1815-10 | M18x1.5 | 34 | 10 mm | 71 | 12 | 30 |
| | | 202.06 PMB 2015-12 | M20x1.5 | 34 | 12 mm | 71 | 12 | 30 |
| | 10 | 202.10 PMB 2015-12 | M20x1.5 | 46 | 12 mm | 93 | 12 | 41 |
| | | 202.10 PMB 2215-14 | M22x1.5 | 46 | 14 mm | 95 | 14 | 41 |
| | | 202.10 PMB 2415-16 | M24x1.5 | 46 | 16 mm | 95 | 14 | 41 |
| | 16 | 202.16 PMB 2415-16 | M24x1.5 | 56 | 16 mm | 111 | 14 | 46 |
| | | 202.16 PMB 3020-20 | M30x2.0 | 56 | 20 mm | 113 | 16 | 46 |
| | 20 | 202.20 PMB 3020-20 | M30x2.0 | 62 | 20 mm | 115 | 16 | 55 |
| | | 202.20 PMB 3620-25 | M36x2.0 | 62 | 25 mm | 117 | 18 | 55 |
| | 32 | 202.32 PMB 4220-30 | M42x2.0 | 90 | 30 mm | 140 | 20 | 80 |
| | | 202.32 PMB 5220-38 | M52x2.0 | 90 | 38 mm | 142 | 22 | 80 |



Male thread socket / Kupplung mit Aussengewinde

TYPE 202



| Plug / Nippel | Size Größe | Order No / Bestellnr. With Valve / Mit Ventil | Ød | Ød1 | L | L1 | HEX. |
|---------------|------------|---|-------------|-----|----|----|------|
| | 04 | 202.04 PUB 1418 | UNF 9/16-18 | 30 | 76 | 18 | 22 |



Male thread plug without valve / Nippel mit Aussengewinde ohne Ventil

TYPE 202



| Plug / Nippel | Size Größe | Order No / Bestellnr. Without Valve / Ohne Ventil | Ød | Ød1 | L | L1 | HEX. |
|---------------|------------|---|--------------------|----------|----------|----------|----------|
| | 06 | 202.06 PMF 17-00 | BSP 3/8 | 25 | 54 | 15 | 22 |
| | 10 | 202.10 PMF 21-00 | BSP 1/2 | 30 | 63 | 17 | 27 |
| | 16 | 202.16 PMF 26-00 | BSP 3/4 | 40 | 72 | 19 | 36 |
| | 20 | 202.20 PMF 33-00 | BSP 1 | 45 | 74 | 21 | 41 |
| | 32 | 202.32 PMF 48-00 202.32 PMF 60-00 | BSP 1-1/2 BSP 2 | 62 86 | 91 93 | 25 27 | 55 75 |



Male thread plug without valve / Nippel mit Aussengewinde ohne Ventil

TYPE 202



| Plug / Nippel | Size Größe | Order No / Bestellnr. Without Valve / Ohne Ventil | Ød | Ød1 | L | L1 | HEX. |
|---------------|------------|---|-------------|-----|----|----|------|
| | 04 | 202.04 PUF 1418 | UNF 9/16-18 | 19 | 51 | 18 | 17 |