



DEUBLIN

3/4" to 1 1/2" Air-Hydraulic Unions

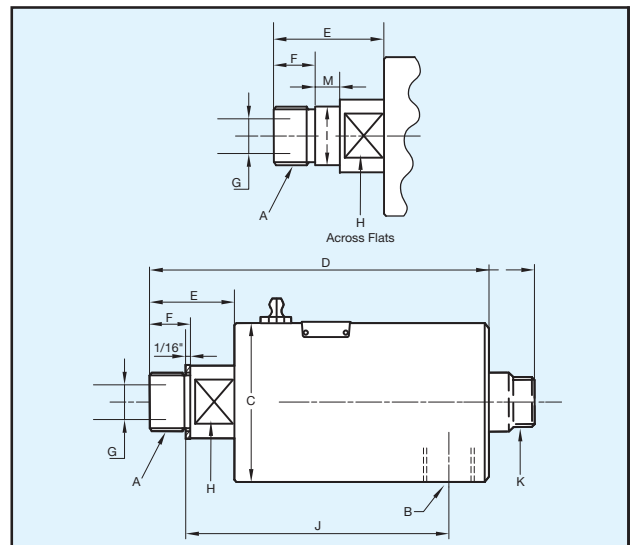
- monoflow design
- self-supported rotating union
- radial housing connection
- balanced mechanical seal
- seal combinations:
Carbon Graphite/Hardened Tool Steel or
Carbon Graphite/Ceramic
- felt oiler in seal cavity for air service
- oiler for relubrication (3 - 5 drops/month)
- low torque
- aluminum housing
- stainless steel or steel rotor (respective of model)
- Lubrication Guide page 55

Operating Data

| | | |
|--------------------------------|-----------|-----------|
| Maximum Air Pressure | 150 PSI | 10 bar |
| Maximum Vacuum | 28" Hg | 6.7 kPa |
| Maximum Hydraulic Pressure | | |
| Model 250-094 | 1,000 PSI | 70 bar |
| Model 355-021 | 1,000 PSI | 70 bar |
| Model 452-000 | 750 PSI | 50 bar |
| Maximum Speed NPT Threads | 1,500 RPM | 1,500/min |
| Maximum Speed Straight Threads | | |
| Model 250-094 | 3,500 RPM | 3,500/min |
| Model 355-021 | 3,000 RPM | 3,000/min |
| Model 452-000 | 2,500 RPM | 2,500/min |
| Maximum Temperature | 250°F | 120°C |

Union is designed for continuous operation at either maximum speed or maximum pressure. If operating conditions are close to maximum pressure and speed simultaneously, consult **DEUBLIN**.

* To indicate union with additional "K" port with
 1/2" NPT: Order Number 250-979-RTR
 3/4" NPT: Order Number 355-305-RTR
 1 1/4" NPT: Order Number 452-001-RTR



| B Port NPT | Ordering No. Model | A Rotor Thread | C | D | E | F | G Rotor Hole | H Across Flats | I Pilot Dia. | J Lock-up | M | Shpg. Wt. |
|---------------|-----------------------|-------------------------|--------|----------|----------|---------|-----------------|-------------------|-----------------|--------------|------|--------------|
| 3/4" | 250-094-020 | 3/4" NPT RH | 2 7/8" | 5 5/8" | 1 1/16" | 7/8" | 1 1/16" | 1 1/4" | - | 4 1/16" | - | 3 1/2# |
| | 250-094-021 | 3/4" NPT LH | | | | | | | | | | |
| | 250-094-002 | 1" -14 UNS RH | 2 7/8" | 5" | 1 5/16" | 3/4" | 2 1/32" | 1 1/4" | - | 3 11/16" | - | 3 1/2# |
| | 250-094-027 | 1" -14 UNS LH | | | | | | | | | | |
| | 250-094-016 | 1" -14 UNS (PLT) RH | 2 7/8" | 5 13/16" | 2 1/8" | 3/4" | 5/8" | 1 5/8" | 1.2480" | 4" | 1/2" | 3 1/2# |
| | 250-094-017 | 1" -14 UNS (PLT) LH | | | | | | | 1.2478" | | | |
| | 250-094-284 | G 3/4" (BSP) RH | 73 | 128 | 34 | 19 | 17.5 | 32 | - | 94 | - | 1.6 Kg |
| | 250-094-285 | G 3/4" (BSP) LH | | | | | | | | | | |
| | 250-094-012 | M22x1.5 (PLT) RH | 73 | 122 | 28 | 14 | 14.3 | 32 | 26.992 | 87.5 | 3 | 1.6 Kg |
| 250-094-013 | M22x1.5 (PLT) LH | 26.979 | | | | | | | | | | |
| 1" | 355-021-002 | 1" NPT RH | 3 1/4" | 6 3/16" | 1 15/16" | 1 1/8" | 1" | 1 1/2" | - | 4 13/16" | - | 4 1/2# |
| | 355-021-003 | 1" NPT LH | | | | | | | | | | |
| | 355-021-019 | 1 1/2" -12 UNF RH | 3 1/4" | 6 3/16" | 1 15/16" | 1 1/8" | 1" | 1 1/2" | - | 4 1/4" | - | 4 1/2# |
| | 355-021-074 | 1 1/2" -12 UNF LH | | | | | | | | | | |
| | 355-021-016 | 1 1/2" -12 UNF (PLT) RH | 3 1/4" | 6 9/16" | 2 5/16" | 1" | 1" | 1 1/2" | 1.5610" | 4 3/16" | 1/2" | 4 1/2# |
| | 355-021-017 | 1 1/2" -12 UNF (PLT) LH | | | | | | | 1.5605" | | | |
| | 355-021-222 | G1" (BSP) RH | 82.6 | 150 | 42 | 21 | 22.2 | 38 | - | 108 | - | 2.1 Kg |
| | 355-021-223 | G1" (BSP) LH | | | | | | | | | | |
| 1 1/2" | 452-000-001 | 1 1/2" NPT RH | 4 1/4" | 7 11/16" | 2 1/16" | 1 3/16" | 1 1/2" | 2 1/8" | - | 5 13/16" | - | 9.5# |
| | 452-000-002 | 1 1/2" NPT LH | | | | | | | | | | |
| | 452-000-395 | 2" -12 UN RH | 4 1/4" | 8 1/16" | 2 13/16" | 1 1/8" | 1 1/2" | 2 1/8" | - | 5 5/8" | - | 9.5# |
| | 452-000-396 | 2" -12 UN LH | | | | | | | | | | |
| | 452-000-029 | 1 3/4" -12 UN RH | 4 1/4" | 8 7/16" | 3 3/16" | 7/8" | 1 1/4" | 2 1/8" | - | 6 1/4" | - | 9.5# |
| | 452-000-109 | 1 3/4" -12 UN LH | | | | | | | | | | |
| | 452-000-198 | G1 1/2" (BSP) RH | 108 | 205 | 72 | 29 | 35 | 54 | - | 143 | - | 4.5 Kg |
| | 452-000-199 | G1 1/2" (BSP) LH | | | | | | | | | | |