

# DEUBLIN

## Rotary Union 857 Series

### Water Service, DN 80

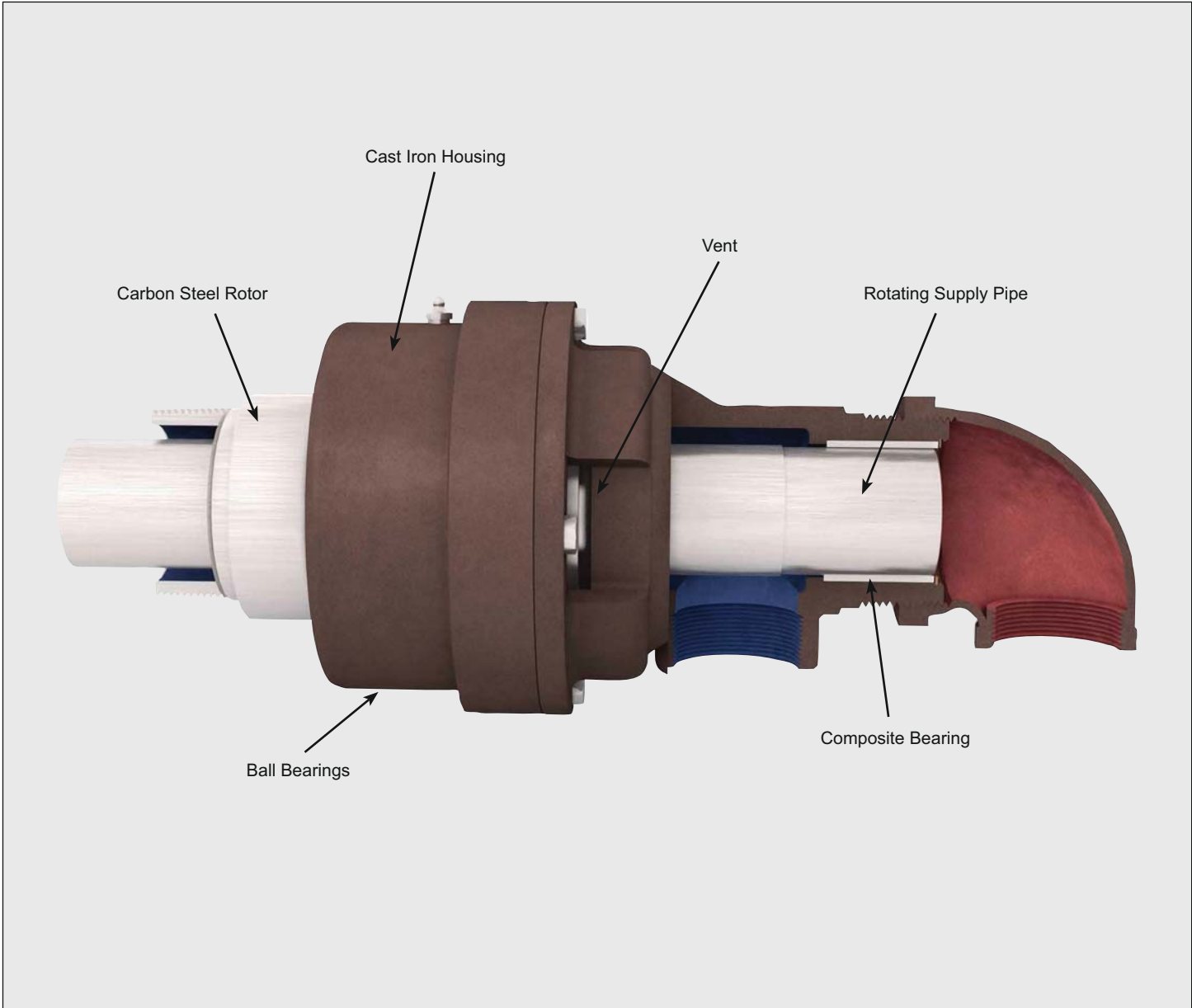
- Monoflow and duoflow design
- Self-supported Rotary Union
- Radial housing connection
- Balanced mechanical seal  
Carbon Graphite/Tungsten Carbide
- Full-media flow
- Easy and quick replacement of sealing components  
(rotor seal, floating seal)
- Vent holes
- Cast iron housing
- Steel rotor
- Lubrication Guide page 45

### Operating Data

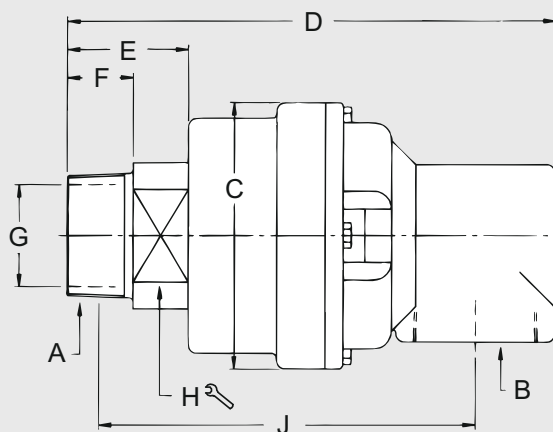
|                                    |          |                       |
|------------------------------------|----------|-----------------------|
| Max. Water Pressure                | 150 PSI  | 10 bar                |
| Max. Sat. Steam Pressure (interm.) | 15 PSI   | 1 bar                 |
| Max. Speed                         | 500 rpm  | 500 min <sup>-1</sup> |
| Torque at 150 PSI / 10 bar         | 6 FT.LBS | 8,2 Nm                |
| Max. Temperature                   | 250 °F   | 121 °C                |

For higher temperature, please consult Deublin.

For further information, please contact Deublin or your local representative.



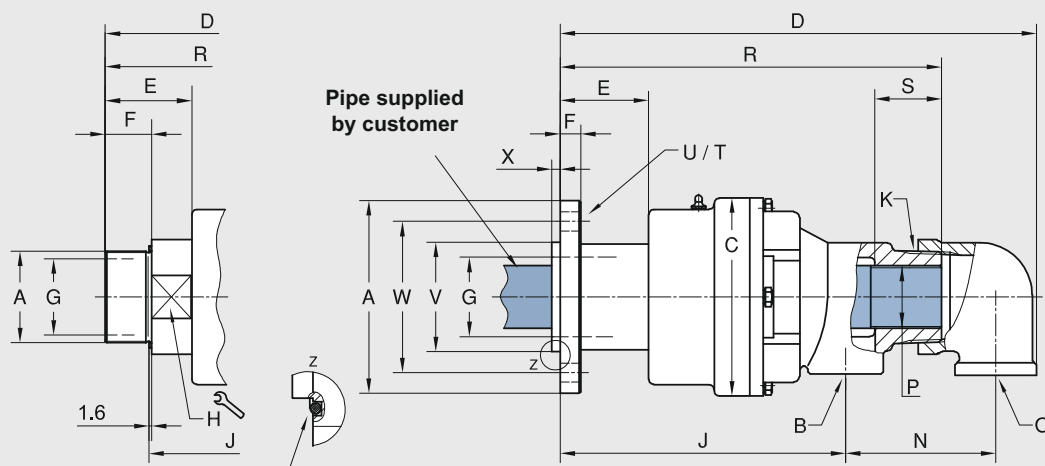
## Monoflow Rotary Union



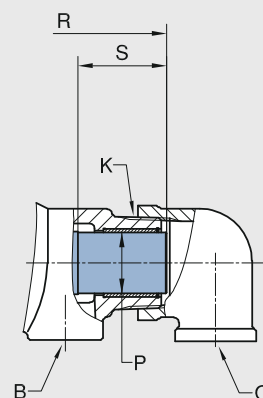
| DN | B<br>NPT | Ordering-No | A<br>Rotor Connections | C<br>Ø | D   | E  | F  | G<br>Ø | H<br>⌀ | J   | kg |
|----|----------|-------------|------------------------|--------|-----|----|----|--------|--------|-----|----|
| 80 | 3        | 857-000-101 | 3 NPT RH               | 190    | 349 | 87 | 48 | 73     | 102    | 267 | 23 |
|    | 3        | 857-000-102 | 3 NPT LH               | 190    | 349 | 87 | 48 | 73     | 102    | 267 | 23 |
|    | 3        | 857-000-118 | G 3 RH                 | 190    | 345 | 84 | 45 | 73     | 102    | 247 | 23 |
|    | 3        | 857-000-119 | G 3 LH                 | 190    | 345 | 84 | 45 | 73     | 102    | 247 | 23 |

## Duoflow Rotary Union for Threaded Supply Pipe

## Rotating Supply Pipe Design



**Flange O-Ring**  
 126.37 x 5.33 Viton (857-002-132)  
 113.89 x 3.53 Viton (857-002-145)  
 (supplied by Deublin)



| DN | B<br>NPT | O<br>NPT | Ordering-No | A<br>Rotor Connections | C<br>Ø | D   | E  | F  | G<br>Ø | H<br>⌀ | J   | K<br>NPT | N   | P        | R   | S  | T       | U<br>Ø | V<br>ØPT         | W<br>Ø | X   | kg |
|----|----------|----------|-------------|------------------------|--------|-----|----|----|--------|--------|-----|----------|-----|----------|-----|----|---------|--------|------------------|--------|-----|----|
| 80 | 2        | 2        | 857-001-101 | 3 NPT RH               | 190    | 446 | 87 | 48 | 73     | 102    | 246 | 3        | 144 | 2 NPT    | 351 | -  | -       | -      | -                | -      | -   | 25 |
|    | 2        | 2        | 857-001-102 | 3 NPT LH               | 190    | 446 | 87 | 48 | 73     | 102    | 246 | 3        | 144 | 2 NPT    | 351 | -  | -       | -      | -                | -      | -   | 25 |
|    | 2        | 2        | 857-002-118 | G 3 RH                 | 190    | 453 | 84 | 45 | 73     | 102    | 228 | 3        | 144 | 58.7 h13 | 364 | 85 | -       | -      | -                | -      | -   | 29 |
|    | 2        | 2        | 857-002-119 | G 3 LH                 | 190    | 453 | 84 | 45 | 73     | 102    | 228 | 3        | 144 | 58.7 h13 | 364 | 85 | -       | -      | -                | -      | -   | 29 |
|    | 2        | 2        | 857-002-132 | Flange Ø229            | 190    | 450 | 91 | 22 | 76     | -      | 277 | 3        | 144 | 58.7 h13 | 366 | 85 | 6 x 60° | 17     | 101.68<br>101.58 | 192    | 6.4 | 30 |
|    | 2        | 2        | 857-002-145 | Flange Ø185            | 190    | 454 | 85 | 20 | 73     | -      | 271 | 3        | 144 | 58.7 h13 | 365 | 85 | 4 x 90° | 18     | 105.00<br>104.95 | 145    | 8   | 29 |