

# Changeover Valves

## Type 06900 - Bursting disc brass



### for Cryogenic Diverter Valves

burst pressure range: 4,0 bar (58.0 psi) - 52,0 bar (754.0 psi)

indicated burst pressure at burst temperature +20°C (68°F)

burst pressure tolerance:  $\pm 5\%$

"cleaned and degreased for oxygen service"

### Part No. 06900.0400.00XX.XX

male thread G1/2 acc. to ISO 228/1

### Part No. 06900.0400.50XX.XX

male thread 1/2" NPT acc. to ANSI B 1.20.1

XX.XX = Code for burst pressure

Example:

burst pressure **5,20** bar - 06900.0400.00**05.20**

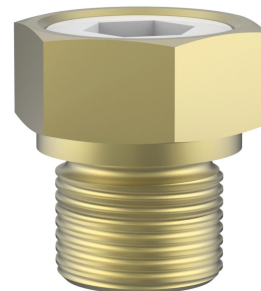
burst pressure **24,00** bar - 06900.0400.00**24.00**

Calculation bar in psi: 1,0 bar = 14,503 psi (7,20 bar = 104,4 psi)

Available options - on request only:

- other thread sizes
- other burst pressures

Working temperature: -196°C (77K) up to +120°C (393K)



| Materials    | DIN EN | ASTM             |
|--------------|--------|------------------|
| 1 Body       | CW614N | B 283 UNS C38500 |
| 2 Burst disc | 1.4401 | AISI 316         |
| 3 Ring       | CW614N | B 283 UNS C38500 |

| Part No. (G-thread) | Standard-burst pressures |
|---------------------|--------------------------|
| 06900.0400.0005.20  | 5.2 bar / 75.4 psi       |
| 06900.0400.0007.20  | 7.2 bar / 104.4 psi      |
| 06900.0400.0014.00  | 14.0 bar / 203.0 psi     |
| 06900.0400.0016.50  | 16.5 bar / 239.3 psi     |
| 06900.0400.0020.20  | 20.2 bar / 292.9 psi     |
| 06900.0400.0024.00  | 24.0 bar / 348.0 psi     |
| 06900.0400.0025.08  | 25.08 bar / 363.7 psi    |
| 06900.0400.0027.00  | 27.0 bar / 391.5 psi     |
| 06900.0400.0046.00  | 46.0 bar / 667.0 psi     |

| Part No. (NPT-thread) | Standard-burst pressures |
|-----------------------|--------------------------|
| 06900.0400.5005.20    | 5.2 bar / 75.4 psi       |
| 06900.0400.5007.20    | 7.2 bar / 104.4 psi      |
| 06900.0400.5014.00    | 14.0 bar / 203.0 psi     |
| 06900.0400.5017.00    | 17.0 bar / 246.5 psi     |
| 06900.0400.5020.20    | 20.2 bar / 292.2 psi     |
| 06900.0400.5024.00    | 24.0 bar / 348.0 psi     |
| 06900.0400.5027.00    | 27.0 bar / 391.5 psi     |
| 06900.0400.5032.00    | 32.0 bar / 464.1 psi     |
| 06900.0400.5046.00    | 46.0 bar / 667.0 psi     |

| Type 06900               | Technical data    |      |
|--------------------------|-------------------|------|
| Nominal size             | GW                | 1/2  |
| Height G-Thread          | H                 | 33,0 |
| Height NPT-Thread        | H                 | 37,5 |
| Length G-Thread          | L                 | 15,5 |
| Length NPT-Thread        | L                 | 20,0 |
| Orifice                  | d <sub>0</sub>    | 13,0 |
| Wrench size across flats | S                 | 30   |
| Weight                   | ca. kg            | 0,1  |
| Kvs-Value                | m <sup>3</sup> /h | 11,0 |
| Cv-Value                 | gal/min           | 13,1 |

Dimensions in mm.

