

Forged DZR brass full bore gate valve

BS 5154 PN20 series B, female ends

SIZES

Taper

| Range | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
|-----------------------|--------|--------|--------|--------|--------|--------|
| IS07-1Rc (Taper) | 204007 | 204008 | 204009 | 204010 | 204011 | 204012 |
| IS07-1Rc (Lockshield) | 204050 | 204051 | 204052 | 204053 | 204054 | 204055 |

DIMENSIONS (mm)

| Range | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
|----------------|------|------|------|--------|--------|------|
| A Face to Face | 52 | 56 | 65 | 73 | 76 | 90 |
| B Height | 85 | 95 | 110 | 125 | 145 | 170 |
| Weight kg | 0.31 | 0.46 | 0.72 | 1.07 | 1.33 | 2.45 |

FLOW RATES (m³/h)

| Range | 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
|-------|------|------|------|--------|--------|-------|
| Cv | 16.4 | 37.4 | 66.7 | 105.3 | 150.9 | 269.1 |
| Kv | 14.0 | 32.0 | 57.0 | 90.0 | 129.0 | 230.0 |

*Cv - flow rate in US GPM at a pressure drop of 1 psi.

*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

VALVE SUITABILITY

| Steam | Water | Oil | Air | Gas Inert | Gas Combustible | Gas Corrosive | Gas Oxygen |
|-------|-------|-----|-----|-----------|-----------------|---------------|------------|
| ✗ | ✓ | ✓ | ✗ | ✗ | ✗ | ✗ | ✗ |

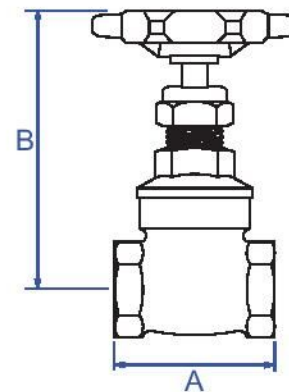
MATERIAL SPECIFICATION

| Component | Material |
|---------------|------------------------|
| Body | DZR Forged brass |
| Bonnet | DZR Forged brass |
| Stem | DZR Brass bar |
| Wedge | DZR Forged brass |
| Stem ring | DZR Brass bar |
| Gland | Brass bar |
| Gland nut | Brass bar (1/2" to 1") |
| Handwheel | Aluminium |
| Handwheel nut | Brass bar |
| Gland packing | PTFE |
| Rating disc | Aluminium |
| Lockshield | Brass bar |

MAXIMUM PRESSURE CONDITIONS

| Size | Maximum Pressure Conditions (bar) | | Test Pressures (bar) | |
|------------|-----------------------------------|--------------------------|----------------------|-------|
| | Temperatures up to 100°C | Temperatures up to 180°C | Shell | Seat |
| 1/4" to 2" | 20.0 | 9.0 | 30.0 | 22.0 |
| Size | Maximum Pressure Conditions (psi) | | Test Pressures (psi) | |
| | Temperatures up to 100°C | Temperatures up to 180°C | Shell | Seat |
| 1/4" to 2" | 290.1 | 130.5 | 435.1 | 319.1 |

Temperature range - 10°C + 180°C (non shock)



PRESSURE EQUIPMENT DIRECTIVE CATEGORY

Sizes

| 1/2" | 3/4" | 1" | 1 1/4" | 1 1/2" | 2" |
|------|------|-----|--------|--------|-----|
| SEP | SEP | SEP | SEP | SEP | SEP |

PRESSURE & TEMPERATURE RATINGS

