2600 SERIES
0 to 3,000 PSIG

CHECK VALVES

Features

- Zero Leakage
- 2500 Series Meets Package Requirements of MS24423 & Functional Requirements of MIL-V-25675 (2520T Series)
- Quick Opening-Positive Closing
- Maintenance-Free Dependability

How It Works

OPEN
Flow passes smoothly through valve with minimum turbulence. Flow characteristics meet or exceed the requirements of MIL-V-25675.

CLOSING
Seal automatically established line of contact with conical seat to cushion closing and insure perfect sealing.

Closed
Sealing member only seals. Full pressure is carried by metal-to-metal seal. Increasing pressure increases efficiency.

Technical Data

Materials of Construction
- Body: 303 Stainless Steel or Aluminum
- Spring: 302 Stainless Steel
- O-Rings: Buna N, Neoprene, Teflon® or Viton®

Pressure Ratings

Operating Pressure:
- Aluminum: 0 to 3,000 PSIG (207 BAR)
- St. Steel: 0 to 3,000 PSIG (207 BAR)

Min. Burst Pressure:
- 3 x Max. Opra Pressure (Room Temp.)
- 2 1/2 x Max. Opr. Pressure (At Max. Flated Temp.)

Temperature Range
-100°F to +400°F
-73°C to +204°C

Based On O-Ring & Body Material, See Page 2

Valve Sizes
1/4” to 1”
How To Order

VARIATION
P - Use where high surges are encountered and elastomeric seals are required.

BASIC MODEL NUMBER
2600 Series

O-RING MATERIAL & OPERATING TEMPERATURE RANGES
73 - Neoprene  -40°F to 300°F
77 - Buna N -40°F to 250°F
20 - Teflon® -100°F to 400°F
32 - Viton® -20°F to 400°F

BODY MATERIAL
A - 2024-T4/T351 Aluminum (limited to 200°F)
T - 303 Stainless Steel (limited to 450°F)

Notes:
Leakage - From zero pressure differential to max. operating pressure — zero
Exception: If Teflon® O-ring is used in Aluminum body with gases, from 75 psi pressure differential to max. operating pressure: 2620A — 10cmin. 2620T — zero
Teflon® and Viton® are registered trademarks of DuPont.

CRACKING PRESSURE
Call Out Dash Number
if Not Standard
5 - 5 PSIG

CONNECTIONS
T - MS33656, Flared Tube
E - MS33514, Flareless Tube

VALVE SIZE
4 - 1/4" AS4395, MS33656 & MS33514
6 - 3/8" MS33656 & MS33514
8 - 1/2" MS33656 & MS33514
12 - 3/4" MS33656 & MS33514
16 - 1" MS33656 & MS33514

* Standard based on seal material.
  Buna N, Neoprene, Teflon®, Viton® - 2 PSIG
  Teflon® - 5 PSIG Max. (2 to 5 PSIG with liquid)

Please consult your Circle Seal Controls Representative or our factory for information on special connections, operating pressures and temperature ranges.

End Connections, Dimensions & Weights

2600 SERIES, MS33514 CONNECTIONS

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<th>Size</th>
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<th>Lbs. S.S.</th>
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2600 SERIES, MS33656 CONNECTIONS

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