

2300 Series

How to Order

23 49 R - 2 PP - 7

O-RING MATERIAL, TEMPERATURE & STANDARD CRACKING RANGE

62 EPDM, -65° F to +300° F, 0.5–1.5 psig
49 Buna N, -65° F to +250° F, 2–5 psig
59 Buna N, -65° F to +275° F, 0.5–1.5 psig
33 Neoprene, -40° F to +240° F, 2–5 psig
20 Teflon®, -100° F to +400° F, 5 psig
32 Viton®, -20° F to +400° F, 0.5–1.5 psig

BODY MATERIAL

A 2024-T4/T351 aluminum†
B Brass†
R 17-4 PH stainless steel
T 303 stainless steel

CRACKING PRESSURE
 Call out dash number if not standard*
7 7 psig

CONNECTIONS
P Female pipe, NPT
M Male pipe, NPT
B Female tube, AND10050
S British taper, male pipe
X British taper, female pipe

CONNECTION SIZE
 Pipe sizes in 1/8" increments
 Tube sizes in 1/16" increments

* Standard based on seal material

† For PED applications, brass bodies are limited to a maximum temperature of +100° F (+38° C), aluminum bodies are limited to a maximum temperature of +200° F (+93° C)

Note: Vacuum service may require special lubricants.

AND10050 connections not normally recommended for 10000 psi service unless special fitting seals are used.

Please consult Circle Seal Controls or your local distributor for information on special connections, o-rings, operating pressures and temperature ranges.

Leakage

2362, 2332, 2359 Series zero @ 1 psig to proof

2333, 2349 Series zero @ 3 psig to proof

2320 Series zero @ 75 psig to proof

For cracking pressures less than standard, consult factory for leakage rates

Special Cracking Pressures

Valves with special springs can be furnished to order

- Minimum cracking pressure available: 0.5 psig
- Maximum cracking pressure available: 30 psig

When ordering a cracking pressure less than the maximum indicated for a specific o-ring, indicate the exact maximum cracking pressure in the part number (i.e. 2349R-2PP-3). If higher cracking pressure than the maximum shown is desired, cracking pressure tolerance is ±20%.

Flow Rates

Valve size	Tube	-4BB	-6BB	—	-8BB, -10BB	-12BB
	Pipe	-1PP	-2PP	-3PP	-4PP	-6PP
Cv (Maximum)		0.31	0.76	1.78	2.82	5.11

Viton® is a registered trademark of DuPont Dow Elastomers.
 Teflon® is a registered trademark of the DuPont Company.

For Your Safety

It is solely the responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or property damage.