# 500 Series

# **How to Order**



**K** Cryogenic service, special cleaning & testing (stainless steel only)

## SEAL MATERIAL & TEMPERATURE RANGE -

20 Teflon®

520 Series\*\*: -100° F to +400° F (-73°C to +204°C) K520 Series\*\*: -320° F to +165° F (-196°C to +74°C)

- **24** Silicone\*, -70° F to +450° F (-57°C to +232°C)
- **32** Viton<sup>®</sup>, -20° F to +400° F (-29°C to +204°C)
- 33 Neoprene, -40° F to +300° F (-40°C to +149°C)
- **59** Buna N, -65° F to +275° F (-54°C to +135°C)
- **62** Ethylene propylene,  $-65^{\circ}$  F to  $+300^{\circ}$  F ( $-54^{\circ}$ C to  $+149^{\circ}$ C)
- **80** Teflon<sup>®</sup>, -320° F to +165° F (-196°C to +74°C)

'D' Variation: Prefixed part number is supplied with a cap which diverts high pressure blasts from personnel and instruments, and serves as a rain and dust shield.

- \* Not available over 74.9 psi (5 bar)
- \*\* 520 Series: Teflon® o-ring K520 Series: Polished Teflon® o-ring, cryogenic testing and serialization 580 Series: Polished Teflon® o-ring
- † Not available for PED applications
- †† Blank if not required

To specify PED certification, add PED prefix to the part number.

\*\*Esting Connection See "Valve Size & Type Codes" table, below Converted Size & Type Codes" table, below Codes Size & Type Codes S

T 303 stainless steel<sup>†</sup>

T1 316 stainless steel

Size	Pipe Thread Male	Pipe Thread Male/Female	British Pipe Thread Male/ Female	British Taper Pipe Male
1/8"	-1M	_	_	-1S
1/4"	-2M	-2MP	-2SX	-2S
3%″	-3M	-3MP	-3SX	-3S
1/2"	-4M	-4MP	-4SX	-4S
3/4″	-6M	-6MP	-6SX	-6S
1″	-8M	-8MP	_	-8S
11/4"	_	-10MP	_	_

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

### **Repair Kits**

In normal service, the only part(s) which may require replacement is(are) the seal(s). A repair kit may be ordered by placing a "K/" in front of the complete part number (i.e. K/559A–2M–10).

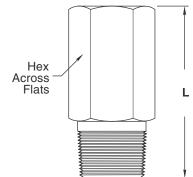
# **Dimensions (Inches)**

# Popoff D Dia Hex Across Flats

Pipe Size, Male	L	L1	Hex	D Dia. Max.
1/6"	1.14	0.98	1/2	0.63
1/4″	1.38	1.20	%	0.90
¾″	1.43	1.25	3/4	1.21
1/2″	1.98	1.74	1	1.45
3/4"	2.31	2.07	1%	1.45
1″	3.16	2.86	11/2	1.89

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

# Inline



Valve Size & Codes

Pipe Size, Male & Female	L	Hex
1/4″	1.62	3/4
¾″	2.08	<b>%</b>
1/2″	2.34	1%
3/4"	2.72	11/4
1″	3.62	11/2
1¼″	4.67	1%

# 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.