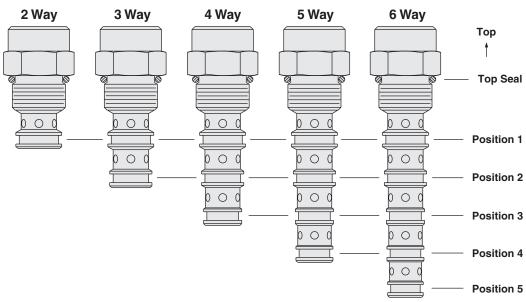


Seal Kit Installation & Ordering Guide

O-RING/BACKUP RING POSITION



STANDARD O-RING SIZES

Cavity Size	Туре	Top Seal	Position 1	Position 2	Position 3	Position 4	Position 5
08	2-Way	-908	-012	_	_	_	_
	3-Way	-908	-014	-013	_	_	_
	4-Way	-908	-014	-013	-012	_	_
10	2-Way	-910	-014	_	_	_	_
	3-Way	-910	-015	-014	_	_	_
	3-Way Short	-910	-016	-015	_	_	_
	3-Way Long	-910	-015	-014	_	_	_
	4-Way	-910	-016	-015	-014	_	_
	5-Way	-910	-016	-015	-014	-013	_
	6-Way	-910	-016	-015	-014	-013	-012
	6-Way Short	-910	-016	-015	-014	-013	-012
12	2-Way	-912	-115	_	_	_	_
	2-Way Long	-912	-115	_	_	_	_
	3-Way	-912	-019	-018	_	_	_
	4-Way	-912	-019	-018	-017	_	_
	5-Way Short	-912	-019	-018	-017	-016	_
	6-Way Short	-912	-019	-018	-017	-016	-015
16	2-Way	-916	-119	_	_	_	_
	3-Way Short	-916	-119	-117	_	_	_
	3-Way	-916	-119	-117	_	_	_
	4-Way	-916	-119	-118	-117	_	_
	5-Way Short	-916	-125	-119	-118	-117	_
	6-Way Short	-916	-125	-119	-118	-117	-116
20	2-Way	-920	-124	_	_	_	_
	3-Way Short	M2.9	-122	-124	_	_	_
42	4-Way Metric	M2.4 x 38.6	-125	M2.4 x 31.6	M2.4 x 29.6	_	_
	6-Way Metric	-131	-125	M2.4 x 31.6	M2.4 x 29.6	M2.9 x 38.6	M2.4 x 27.6
98	3-Way Metric	M1.5 x 21.5	M2.2 x 18.0	M1.6 x 15.1	M1.6 x 14.1	_	_

Seal Kit information continued on following page.

Seal Kit Installation & Ordering Guide

O-RING/BACKUP RING INSTALLATION

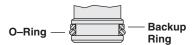
Installation Type T

O-Ring installed toward top of cavity



Installation Type B

O-Ring installed toward bottom of cavity



Installation Type X

No seals this location



Installation Type M

O-Ring installed between backups



Installation Type O

O-Ring only; no back-ups



Temperature Considerations: As per ASTM Standard D2000/SAE J200 Standard

Buna N (N) seals are designed for applications that operate within the -40°C to 100°C (-40° to 212°F) temperature range. Maximum temperature for optimum seal life is 107°C with reduced life if operated within the 107°C to 120°C range.

Hydrogenated Nitrile (HNBR) seals have high strength and resistance to extrusion and wear for applications with the temperature range of -48 to 150°C (-40 to 300°F).

Fluorocarbon (V) seals have excellence resistance to high temperatures and should be used for applications with an average temperature range between -26°C to 204°C (-15°F to 400°F). **Polyurethane** (P) seals should be used for applications with an average temperature range between 104°C to -54°C (-65°F to 225°F).

PPDI Urethane (U) seals should be used for applications with an average temperature range between 107°C to -54°C (-65°F to 225°F).

Note: Cartridges which are originally built with polyester elastomer (black) back-up rings, are serviced with single-turn (white) Fluorocarbon back-up rings. This facilitates field installation of the back-up rings, since the original production rings require special tools for installation.

Type "M" back-up rings are 1/2 size single-turn Fluorocarbon rings on all cavities **except** VC12-3, VC12-4, VC16-S3, VC20-S3 and VC98-3.

ORDERING INFORMATION

