



**TECHNICAL DATA** NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.

cavidad	T-31A
Series	1
Capacity	2,5 - 12 L/min.
Maximum Operating Pressure	350 bar
Divisional Accuracy at Max Input Flow	±2.5%
Divisional Accuracy at Minimum Input Flow	±4.5%
Pressure Drop at Maximum Rated Input Flow	18 bar
Pressure Drop at Minimum Rated Input Flow	2 bar
Rated Input Flow with 33/67 Split	1,7 - 8,5 L/min.
Rated Input Flow with 40/60 Split	2,8 - 9,5 L/min.
Rated Input Flow with 50/50 Split	2,5 - 12 L/min.
Valve Hex Size	22,2 mm
Valve Installation Torque	41 - 47 Nm
Model Weight	0.15 kg.
Seal kit - Cartridge	Buna: 990-031-007
Seal kit - Cartridge	Polyurethane: 990-031-002
Seal kit - Cartridge	Viton: 990-031-006

## OPTION SELECTION EXAMPLE: FSDXAN

CONTROL	(X) FLOW SPLIT	(A) SEAL MATERIAL	(N) MATERIAL/COATING
<b>X</b> Not Adjustable	<b>A</b> 50/50	<b>N</b> Buna-N	Standard Material/Coating
	<b>B</b> 40/60	<b>V</b> Viton	<b>/AP</b> Stainless Steel, Passivated
	<b>C</b> 33/67		

### PERFORMANCE CURVES

Split	Input Flow		Rated Accuracy	Maximum Possible Flow Variations	
				High Flow Leg	Low Flow Leg
<b>50:50</b>	Max Rated	3 gpm 11 L/min	±2.5%	1.42 - 1.58 gpm	
	Min rated	6 gpm 2.5 L/min		5.2 - 5.8 L/min	
<b>40:60</b>	Max Rated	2.5 gpm 9.5 L/min	±2.5%	1.44 - 1.56 gpm	.94 - 1.06 gpm
	Min rated	5 gpm 2.8 L/min		5.4 - 5.9 L/min	3.6 - 4.0 L/min
<b>33:67</b>	Max Rated	2.2 gpm 8.5 L/min	±2.5%	.28 - .32 gpm	.18 - .22 gpm
	Min rated	4.5 gpm 1.7 L/min		1.6 - 1.8 L/min	1.0 - 1.2 L/min
				1.42 - 1.53 gpm	.67 - .78 gpm
				5.5 - 5.9 L/min	2.6 - 3.0 L/min
				.28 - .32 gpm	.13 - .17 gpm
				1.06 - 1.22 L/min	0.48 - 0.64 L/min

The maximum variation is at 5000 psi (350 bar) differential between legs with the high pressure leg being the higher flow.