

Minimum Recommended Seal Calibration Ranges

		Gauges		Switches		XMTR	GP Transmitters ¹				DP Transmitters			
		C Bourdon 2-1/2" - 4-1/2"	Direct Drive Helical	Diaphragm Type	Sealed Piston	Direct Attachment	5' Capillary	10' Capillary	15' Capillary	20' Capillary	5' Capillary	10' Capillary	15' Capillary	20' Capillary
Mini Seal	W1.5	100#	60#	•	•	50#	•	•	•	•	•	•	•	•
	W2.0	60#	30#	30#	60#	30#	•	•	•	•	•	•	•	•
Threaded Offline Flanged Offline	W2.4	30#	30#	30#	30#	300"	15#	20#	25#	30#	100"	150"	200"	250"
	W2.9	15#	15#	15#	15#	100"	150"	200"	250"	300"	40"	60"	80"	100"
	W4.1	15#	15#	15#	15#	40"	60"	80"	100"	120"	10"	12"	14"	16"
Flush Flanged Pancake / Wafer	W1.5	100#	60#	60#	100#	50#	100#	•	•	•	•	•	•	•
	W2.4	30#	30#	30#	30#	300"	15#	20#	25#	30#	100"	150"	200"	250"
	W3.5	15#	15#	15#	15#	50"	80"	100"	120"	140"	15"	18"	21"	24"
Extended Type	W2.4	30#	30#	30#	30#	300"	15#	20#	25#	30#	100"	150"	200"	250"
	W2.8	15#	15#	15#	15#	100"	150"	200"	250"	300"	40"	60"	80"	100"
	W3.5	15#	15#	15#	15#	50"	80"	100"	120"	140"	15"	18"	21"	24"
In-Line Flow Thru Saddle Seals	W2.4	30#	30#	30#	30#	300"	15#	20#	25#	30#	100"	150"	200"	250"
Pulp and Paper Industry	W1.0	400#	300#	300#	400#	100#	200#	•	•	•	•	•	•	•
	W1.4	100#	60#	60#	100#	50#	100#	•	•	•	•	•	•	•
Chemical Tee	W3.5	15#	15#	15#	15#	50"	80"	100"	120"	140"	15"	18"	21"	24"
Button Seal	W0.9	500#	400#	400#	500#	200#	200#	•	•	•	•	•	•	•
Engineered Plastics	R4.0	15#	15#	15#	15#	100"	150"	180"	210"	240"	20"	25"	30"	35"
Elastomeric	R2.9	15#	15#	15#	15#	50"	80"	100"	120"	140"	15"	18"	21"	24"
Sanitary	1.5	100#	60#	60#	100#	50#	100#	•	•	•	•	•	•	•
	2.0	60#	30#	30#	60#	30#	60#	90#	120#	•	30#	45#	•	•
	3.0	15#	15#	15#	15#	120"	180"	240"	300"	360"	50"	70"	90"	110"
	4.0	15#	15#	15#	15#	50"	70"	90"	110"	130"	15"	18"	21"	24"

NOTE: The Minimum Recommended Seal Calibration Ranges provided in this chart are provided as general guidelines for selecting a diaphragm seal. Actual performance will vary with pressure, ambient and process temperature, seal type, and fill fluid selection. CONSULT RJ GLOBAL for assistance on capillary lengths over 20' or if the measuring ranges are outside of those shown.

Gauge Pressure Transmitters ¹ - Also use for Differential Pressure Applications with One Leg

Maximum Recommended Capillary Lengths

CONSULT RJ GLOBAL FOR SEAL RESPONSE TIMES ON LONGER CAPILLARY LENGTHS

Seal Type	Size	Length	Seal Type	Size	Length	Seal Type	Size	Length	
Mini Seal	W1.5	N/R	Extended Type	W2.4	10'	Button Seal	W0.9	5'	
	W2.0	N/R		W2.8	30'		Engineered Plastics	R4.0	30'
Threaded Offline Flanged Offline	W2.4	20'	In-Line Flow Thru Saddle Seals	W3.5	40'	Elastomeric		R2.9	40'
	W2.9	30'		W2.4	10'		Sanitary	1.5	5'
	W4.1	40'		Pulp and Paper Industry	W1.0			5'	2.0
Flush Flanged Pancake / Wafer	W1.5	5'	W1.4		5'	3.0		30'	
	W2.4	20'	Chemical Tee	W3.5	40'	4.0	40'		
W3.5	40'								