

Polypropylene

Gas Phase – Dow Unipol

Polypropylene – Process: Gas Phase – Dow Unipol

Valve Number	Valve Description	Design Temperature Range		Design Pressure Range		Pipe Size		Recommended Valve ¹						
		deg F	deg C	psig	bar g	in	dn	C-Series	T-Series	G-Series	ISOLATOR 2.0	IRSVP	Watson Series	FlexStream®
1	Feed Propylene	50 – 100	10 – 38	100 – 150	6.9 – 10.3	1 – 4	25 – 100				•			
2	Catalyst	50 – 100	10 – 38	100 – 150	6.9 – 10.3	2 – 6	50 – 150				•			
3	Reactor Isolation (multiple valves)	100 – 200	38 – 93	500 – 600	34.5 – 41.4	4 – 8	100 – 200	•			•			
4	Discharge Drum	100 – 200	38 – 93	500 – 600	34.5 – 41.4	4 – 8	100 – 200				•			
5	Steam Treater	100 – 200	38 – 93	100 – 300	6.9 – 20.7	4 – 8	100 – 200				•			
6	Degasser Product	100 – 200	38 – 93	100 – 300	6.9 – 20.7	4 – 8	100 – 200				•			
7	Degasser Gas	100 – 200	38 – 93	100 – 300	6.9 – 20.7	2 – 6	50 – 150				•			
8	Propane Separator	100 – 200	38 – 93	100 – 150	6.9 – 10.3	2 – 6	50 – 150				•			
9	Propane Separator Recycle Overhead Gas	100 – 200	38 – 93	100 – 150	6.9 – 10.3	1 – 4	25 – 100				•			
	Heat Exchanger – Steam	300 – 1500	150 – 815	200 – 900	13.8 – 62.0	1/2 – 2	13 – 50					•		
	General Ball Valves	25 – 900	-4 – 482	25 – 600	1.7 – 41.4	1 – 3	25 – 75			•				

¹ Recommend ISOLATOR 2.0 or T-Series if size, pressure and temperature conditions are met.

