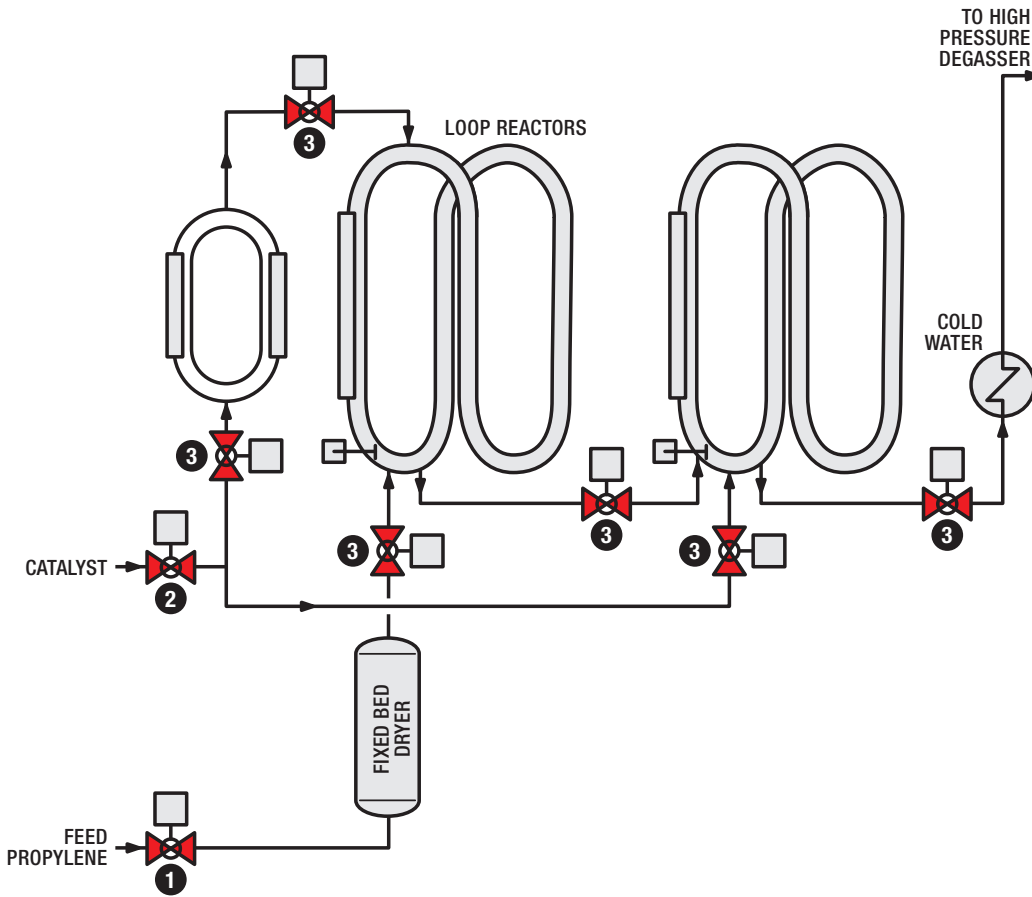


Polypropylene – Bulk Slurry – Tubular Loop Reactors - Liquid Propylene - Spheripol															
Valve Number	Valve Description	Design Temperature Range		Design Pressure Range		Pipe Size		Recommended Valve <sup>1</sup>							
		deg F	deg C	psig	bar g	in	dn	C-Series	T-Series	G-Series	ISOLATOR 2.0	IRSVP	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	Loop Reactor Isolation (multiple valves)	100 – 200	38 – 93	300 – 600	20.7 – 41.4	4 – 8	100 – 200	•			•				
4	HP Degasser	100 – 200	38 – 93	300 – 600	20.7 – 41.4	4 – 8	100 – 200				•				
5	HP Propylene Overhead Gas	100 – 200	38 – 93	300 – 600	20.7 – 41.4	2 – 6	50 – 150				•				
6	LP Degasser	100 – 200	38 – 93	100 – 300	6.9 – 20.7	4 – 8	100 – 200				•				
7	LP Propylene Overhead Gas Inlet	100 – 200	38 – 93	100 – 300	6.9 – 20.7	2 – 6	50 – 150				•				
8	LP Propylene Overhead Gas Outlet	100 – 200	38 – 93	100 – 300	6.9 – 20.7	2 – 6	50 – 150				•				
9	Steam Treater	100 – 200	38 – 93	100 – 300	6.9 – 20.7	4 – 8	100 – 200				•				
10	Steam Treater Overhead Gas	100 – 200	38 – 93	100 – 300	6.9 – 20.7	2 – 6	50 – 150				•				
11	Steam Scrubber	100 – 200	38 – 93	100 – 300	6.9 – 20.7	4 – 8	100 – 200				•				
12	Steam Scrubber Overhead Gas	100 – 200	38 – 93	100 – 300	6.9 – 20.7	2 – 6	50 – 150				•				
13	LP Propylene	100 – 200	38 – 93	100 – 150	6.9 – 10.3	2 – 6	50 – 150				•				
14	LP Propylene Overhead Gas	100 – 200	38 – 93	100 – 150	6.9 – 10.3	1 – 4	25 – 100				•				
15	Propylene Scrubber	100 – 200	38 – 93	100 – 150	6.9 – 10.3	2 – 6	50 – 150				•				
16	Hot N2 Dryer Gas Overhead Outlet	100 – 200	38 – 93	100 – 300	6.9 – 20.7	1 – 4	25 – 100				•				
17	Hot N2 Dryer Gas Inlet	100 – 200	38 – 93	100 – 300	6.9 – 20.7	1 – 4	25 – 100				•				
18	Polypropylene	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			•					

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

# Polypropylene



# Polypropylene

