

High Impact Polystyrene Beads

Polystyrene - High Impact Polystyrene Beads														
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	Fresh Styrene	150	66	150	10	2 – 4	20 – 100				•			
2	Virgin Rubber	150	66	150	10	2 – 4	20 – 100				•			
3	Additives & Solvent	150	66	150	10	2 – 4	20 – 100				•			
4	Rubber Dissolver	150	66	150	10	2 – 8	20 – 200				•			
5	Filter / Preheater	250 – 350	121 – 177	150	10	2 – 8	20 – 200				•			
6	Vertical Reactor #1	250 – 350	121 – 177	150	10	2 – 8	20 – 200				•			
7	Vertical Reactor #2	250 – 350	121 – 177	150	10	2 – 8	20 – 200				•			
8	Vertical Reactor #3	250 – 350	121 – 177	150	10	2 – 8	20 – 200				•			
9	Vertical Reactor #4	250 – 350	121 – 177	150	10	2 – 8	20 – 200				•			
10	Horizontal Reactor # 5	250 – 350	121 – 177	150	10	2 – 8	20 – 200				•			
11	Horizontal Reactor # 6	250 – 350	121 – 177	150	10	2 – 8	20 – 200				•			
12	Raw HIPS	150	66	150	10	2 – 8	20 – 200				•			
13	Devolatilizer Overhead	150	66	150	10	2 – 8	20 – 200				•			
14	Recycle Drum	150	66	150	10	2 – 8	20 – 200				•			
15	Recycle Styrene / Ethylbenzene	150	66	150	10	2 – 8	20 – 200				•			
	Heat Exchanger	300 – 1000	149 – 538	200 – 600	14 – 41	1/2 – 2	12 – 50					•		
	General Ball Valves	600 – 700	316 – 371	100 – 600	7 – 41	1 – 3	25 – 75			•				

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

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PROCESS FLOW DIAGRAM

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