

Ethylbenzene

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	IR5VP	Watson Series	FlexStream®	
1	Fresh Ethylene	100	38	600	41	2-6	50-150					•			
2	Fresh Benzene	100	38	550	38	2-6	50-150					•			
3	Total Benzene	350	177	550	38	2-6	50-150					•			
4	Alkylation Reactor	450	232	450-550	31-38	2-6	50-150					•			
5	Trans-Alkylation Reactor	450	232	450-550	31-38	2-6	50-150					•			
6	Overhead Recycle Benzene	350	177	550	38	2-6	50-150					•			
7	Benzene Distillation Column	350-400	177-204	50-100	3-7	2-6	50-150					•			
8	Recycle Polybenzene	50	10	450	31	2-6	50-150					•			
9	Ethylbenzene Distillation Column	50	10	350	24	2-6	50-150					•			
	Heat Exchanger	300-1000	149-538	200-600	14-41	1/2-2	15-50						•		
	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.

