

Acetic Acid														
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	IRSV	Watson Series	FlexStream®
1	Fresh Methanol Feed	25 – 100	-4 – 38	800 – 950	55 – 65.5	1 – 3	25 – 75				•			
2	Split Methanol Feed	25 – 100	-4 – 38	800 – 950	55 – 65.5	1 – 3	25 – 75				•			
3	Low Pressure Absorber Methanol	25 – 100	-4 – 38	800 – 950	55 – 65.5	1 – 3	25 – 75				•			
4	Methanol Reactor Feed	350 – 450	177 – 232	800 – 950	55 – 65.5	2 – 4	50 – 100				•			
5	Fresh Carbon Monoxide Feed	350 – 450	177 – 232	800 – 950	55 – 65.5	1 – 3	25 – 75				•			
6	Fresh Make-up Catalyst Feed	350 – 450	177 – 232	800 – 950	55 – 65.5	1 – 3	25 – 75				•			
7	Recycle Catalyst	350 – 450	177 – 232	800 – 950	55 – 65.5	2 – 6	50 – 150				•			
8	Acetic Acid Reactor	350 – 450	177 – 232	800 – 950	55 – 65.5	6 – 8	150 – 200	•			•			
9	Acetic Acid Flash Vaporizer	200 – 300	93 – 150	25 – 50	1.7 – 3.4	6 – 8	150 – 200				•			
10	Acetic Acid Dehydration Column	200 – 300	93 – 150	25 – 50	1.7 – 3.4	6 – 8	150 – 200				•			
11	Acetic Acid Finishing Column	200 – 300	93 – 150	25 – 50	1.7 – 3.4	6 – 8	150 – 200				•	•		
12	Reactor Overhead	350 – 450	177 – 232	800 – 950	55 – 65.5	2 – 6	50 – 150				•			
13	High Pressure Absorber Overhead	200 – 300	93 – 150	800 – 950	55 – 65.5	2 – 6	50 – 150				•			
14	Low Pressure Overhead	200 – 300	93 – 150	25 – 50	1.7 – 3.4	2 – 6	50 – 150				•			
15	Flash Vaporizer Recycle Catalyst	200 – 300	93 – 150	25 – 50	1.7 – 3.4	2 – 6	50 – 150				•			
16	Dehydration Column Recycle Catalyst Heavies	200 – 300	93 – 150	25 – 50	1.7 – 3.4	2 – 6	50 – 150				•			
17	Dehydration Column Recycle Catalyst Lights	200 – 300	93 – 150	25 – 50	1.7 – 3.4	2 – 6	50 – 150				•			
18	Finishing Column Overhead	200 – 300	93 – 150	25 – 50	1.7 – 3.4	2 – 6	50 – 150				•			
19	Finishing Column Heavies	200 – 300	93 – 150	25 – 50	1.7 – 3.4	2 – 6	50 – 150				•			
	Heat Exchanger	300 – 1000	149 – 537	200 – 900	14 – 62	1/2 – 2	12 – 50					•		
	General Ball Valves	25 – 900	-4 – 482	25 – 600	1.7 – 41	1 – 3	25 – 75			•				

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

