Urea

Urea

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	Low Pressure Liquid Ammonia	50 – 100	10 – 38	350 – 400	24.1 – 27.6	4 – 8	100 – 200		•		•			
2	Low Pressure Carbon Dioxide	100 – 150	38 – 65	50	3.4	6 – 10	150 – 250		•		•			
3	High Pressure Liquid Ammonia	50 – 100	10 – 38	2500–3000	172.3–206.8	4 – 8	100 – 200		•					
4	Carbon Dioxide Compressor	100 – 300	38 – 150	2500–3000	172.3–206.8	4 – 8	100 – 200		•					
5	Carbon Dioxide Cooler	100 – 300	38 – 150	2500–3000	172.3–206.8	4 – 8	100 – 200		•					
6	Urea Reactor	300 – 400	150 – 200	2500–3000	172.3–206.8	10 – 16	250 – 400	•	•					
7	Separator	250 – 350	120 – 175	200 – 350	13.7 – 24.1	10 – 16	250 – 400		•					
8	Condenser	250 – 350	120 – 175	250 – 350	17.2 – 24.1	6 – 12	150 – 300		•					
9	Liquid Recycle Carbamate	250 – 350	120 – 175	250 – 350	17.2 – 24.1	8 – 12	200 – 300		•					
10	High Pressure Decomposer	250 – 350	120 – 175	250 – 350	17.2 – 24.1	10 – 16	250 – 400		•					
11	Low Pressure Decomposer	200 – 300	93 – 150	50 – 100	70 – 103.4	10 – 16	250 – 400		•					
12	Condenser	200 – 300	93 – 150	50 – 100	3.4 – 6.9	10 – 16	250 – 400				•			
13	Evaporator	200 – 300	93 – 150	50 – 100	3.4 – 6.9	10 – 16	250 – 400				•			
14	Crystallizer	200 – 300	93 – 150	50 – 100	3.4 – 6.9	10 – 16	250 – 400				•			
15	Dryer	200 – 300	93 – 150	50 – 100	3.4 – 6.9	10 – 16	250 – 400				•			
	Heat Exchanger	300 – 1500	150 – 815	200 – 900	13.7 – 62.0	1/2 – 2	13 – 50					•		
	General Ball Valves	25 – 900	-4 – 480	25 – 600	1.7 – 41.3	1 – 3	25 – 75			•				

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

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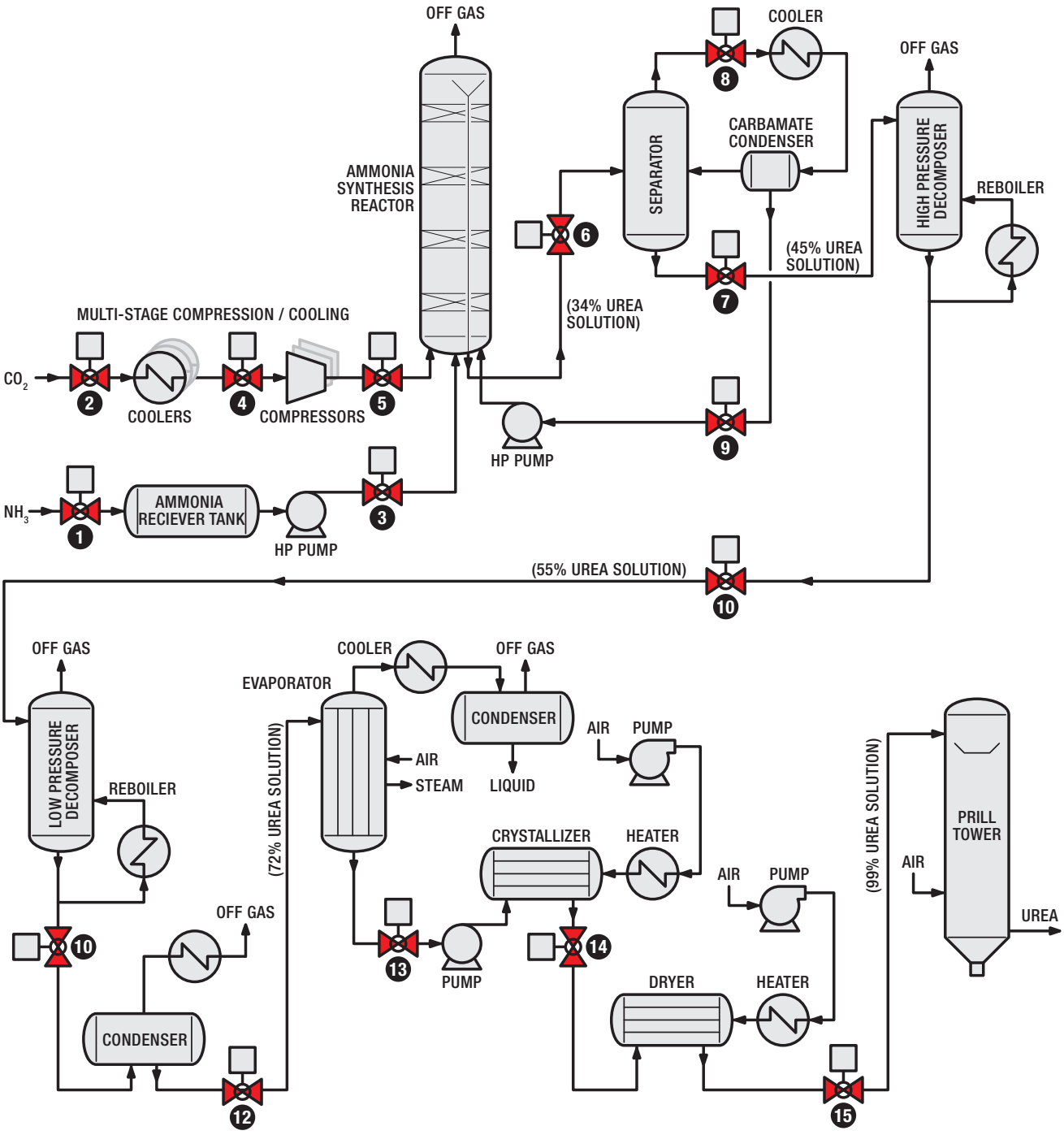

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