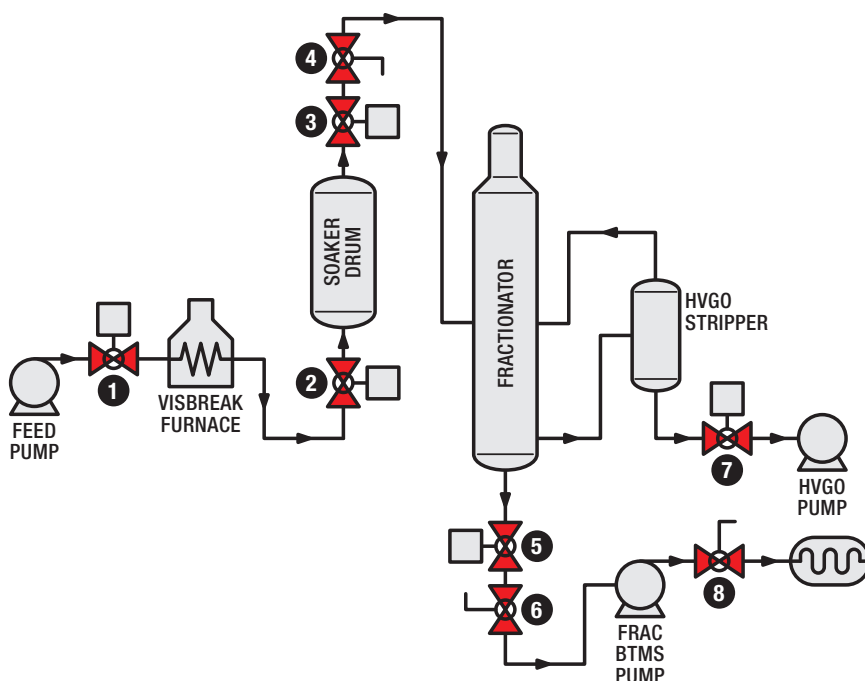


Visbreaking														
Valve Number	Valve Description	Design Temperature Range		Design Pressure Range		Pipe Size		Recommended Valve ¹						
		deg F	deg C	psig	bar g	in	dn	C-Series	T-Series	G-Series	ISOLATOR 2.0	IRSVP	Watson Series	FlexStream®
1	Feed	300 – 600	149 – 316	100 – 250	5 – 20	4 – 12	100 – 300				•			
2	Visbreaker Furnace	600 – 800	316 – 427	100 – 250	5 – 20	4 – 12	100 – 300				•			
3	Automated Soaker Drum	600 – 800	316 – 427	100 – 250	5 – 20	4 – 12	100 – 300				•			
4	Manual Soaker Drum	600 – 800	316 – 427	100 – 250	5 – 20	4 – 12	100 – 300				•			
5	Frac Tower Bottoms Emergency Block Valve	600 – 800	316 – 427	30 – 75	2 – 5	4 – 12	100 – 300				•			
6	Frac Bottoms Pump	600 – 800	316 – 427	30 – 75	2 – 5	4 – 12	100 – 300				•			
7	Heavy Vacuum Gas Oil Stripper Emergency Block Valve	600 – 800	316 – 427	30 – 75	2 – 5	4 – 12	100 – 300				•			
8	Frac Tower Bottom Heat Exchanger	600 – 800	316 – 427	30 – 75	2 – 5	4 – 12	100 – 300				•			
	Heat Exchanger	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			•				

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



Typical operating conditions are:

- High temperature
300 – 800° F (149 – 316° C)
- Coking service
- High cycle
- Erosive conditions
- Temperature cycling
- High pressure water service
- HP steam blowdown