

Boost Scrubber Capacity by Retrofitting with 4" Q-PAC

Example: 12-ft diameter tower removing 99.9% of H₂S using water with NaOCl and NaOH added to maintain pH 9.5~10 and ORP 550~600 mV at 70°F, atmospheric pressure

Superficial Gas Velocity	Scrubber Capacity	Liquid Loading	Pressure Gradient	Packing Height	Pressure Drop
v_G	Q	L	ΔP/z	z	ΔP
(ft/min)	(acfm)	(gpm/ft ²)	(in.WC/ft)	(ft)	(in.WC)
700	79,200	8	0.34	7.5	2.5
700	79,200	6	0.29	8.5	2.5
700	79,200	4	0.24	10.0	2.4
600	67,900	8	0.23	7.5	1.7
600	67,900	6	0.20	8.5	1.7
600	67,900	4	0.17	10.0	1.7
500	56,500	8	0.15	7.5	1.1
500	56,500	6	0.13	8.0	1.1
500	56,500	4	0.11	9.5	1.1
400	45,200	8	0.09	7.0	0.7
400	45,200	6	0.08	7.5	0.6
400	45,200	4	0.07	9.0	0.6
300	33,900	8	0.05	6.0	0.3
300	33,900	6	0.05	7.0	0.3
300	33,900	4	0.04	8.0	0.3
200	22,600	8	0.02	5.0	0.1
200	22,600	6	0.02	5.5	0.1
200	22,600	4	0.02	6.5	0.1