

31000 Series

Pressure Drop Tables-PF5000

Metric and US



31000 Series Pressure Drop Tables - PH5000

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31000 Series Pressure Drop Tables
PH5000

US UNITS

Air to Open

Valve Size		Actuator		CV	Air to Open / Flow to Close			
		Size	Range		Air Supply (psi)			
in	DN		psi		20	25	30	36
					ΔP Max (psi)			
1	25	4 1/2	7-15	20	232			
				14	232			
				8	232			
				5	232			
				4	232			
				3	232			
				2	232			
2	50	4 1/2	7-15	1.2	232			
				82	189	232		
				59	232			
				33	232			
3	80	4 1/2	7-15	10	232			
				260	48	94	145	232
				182	73	145	203	232
				104	116	232		

NOTE: INLET PRESSURE MUST NOT EXCEED THE ANSI RATING FOR THE SELECTED PRESSURE CLASS

Air to Close

Valve Size		Actuator		CV	Air to Close / Flow to Close	
		Size	Range		Air Supply (psi)	
in	DN		psi		20	30
					ΔP Max (psi)	
1	25	4 1/2	7-15	20	232	
				14	232	
				8	232	
				5	232	
				4	232	
				3	232	
				2	232	
				1.2	232	
2	50		7-15	82	203	
				59	232	
				33	232	
				10	232	
3	80		7-24	260		109
				182		160
				104		232

NOTE: INLET PRESSURE MUST NOT EXCEED THE ANSI RATING FOR THE SELECTED PRESSURE CLASS

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METRIC UNITS

Air to Open

Valve Size		Actuator		CV	Air to Open / Flow to Close			
		Size	Range		Air Supply (bar)			
DN	in		psi		1.4	1.7	2.0	2.5
					ΔP Max (bar)			
25	1	4 1/2	7-15	20	16			
				14	16			
				8	16			
				5	16			
				4	16			
				3	16			
				2	16			
50	2	4 1/2	7-15	1.2	16			
				82	13	16		
				59	16			
				33	16			
80	3	4 1/2	7-15	10	16			
				260	3.3	6.5	10	16
				182	5	10	14	16
				104	8	16		

NOTE: INLET PRESSURE MUST NOT EXCEED THE ANSI RATING FOR THE SELECTED PRESSURE CLASS

Air to Close

Valve Size		Actuator		CV	Air to Close / Flow to Close	
		Size	Range		Air Supply (bar)	
DN	in		psi		1.4	2.0
					ΔP Max (bar)	
25	1	4 1/2	7-15	20	16	
				14	16	
				8	16	
				5	16	
				4	16	
				3	16	
				2	16	
				1.2	16	
50	2	4 1/2	7-15	82	14	
				59	16	
				33	16	
				10	16	
80	3	4 1/2	7-24	260		7.5
				182		11
				104		16

NOTE: INLET PRESSURE MUST NOT EXCEED THE ANSI RATING FOR THE SELECTED PRESSURE CLASS