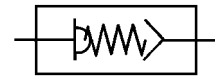


Description	Air supply is immediately shut off when volume flow exceeds a specific value. The maximum admissible flow is factory-set in such a way that a standard application of pneumatic equipment is ensured. Pressure drop amounts to 0.05 to 0.3 bar. In the case of failure, the hose rupture valve blows off through a small nozzle. After repairing the hose break, the hose rupture valve can be set to zero again.		
EN ISO 4414-11.2010	According to EN ISO 4414-11.2010 the hose rupture valve protects individuals, systems and machines from injuries or damages caused by lashing hose lines in the event of hose breaks.		
Function	The air passes the piston and continues through the seat. The air stream is slowed down by means of lengthwise grooves on the piston surface. When the volume flow is too high, the air cannot pass the piston quickly enough, thus the piston will be pressed against the spring. If the maximum admissible flow is exceeded, e.g. when the hose suddenly breaks, the air supply will automatically be shut off.		
Supply pressure	max. 18 bar		
Temperature range	-20 °C to 80 °C / -4 °F to 176 °F at G¼ to G½, up to 120 °C / 248 °F at G¾ to G2		
Material	Body: aluminium, optionally stainless steel Elastomer: NBR/Buna-N Inner valve: aluminium and plastic		



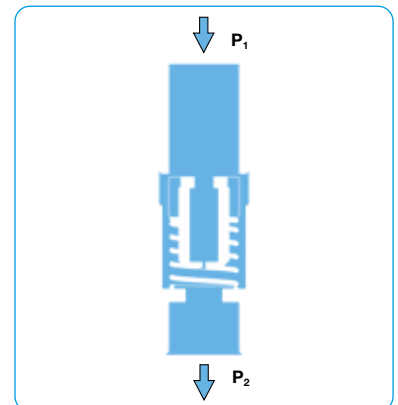
max. 18 bar
G¼ up to G2

Dimensions			max. flow rate		Connection thread	Order number
B	C	A/F	at 8 bar *2			
mm	mm	mm	m³/h	l/min	G	

Hose Rupture Valve "HoseGuard®"						operating pressure max. 18 bar	281
49	-	22	46	760 *1	G¼		281A0211
49	10	22	46	760 *1	G¼ mf		281A0221
49	-	22	3	52	G¼		281ZL0211
49	10	22	3	52	G¼ mf		281ZL0221
49	-	22	60	990	G¼		281ZH0211
49	10	22	60	990	G¼ mf		281ZH0221
58	-	27	65	1080 *1	G¾		281A0311
58	12	27	65	1080 *1	G¾ mf		281A0321
58	-	27	87	1450	G¾		281ZH0311
58	12	27	87	1450	G¾ mf		281ZH0321
65	-	30	181	3020 *1	G½		281A0411
64	15	30	181	3020 *1	G½ mf		281A0421
65	-	30	206	3440	G½		281ZH0411
64	15	30	206	3440	G½ mf		281ZH0421
76	-	30	244	4070 *1	G¾		281A0511
76	-	30	315	5250	G¾		281ZH0511
100	-	41	313	5220 *1	G1		281A0611
100	-	41	456	7600	G1		281ZH0611
130	-	70	775	12920 *1	G2		281A0911



281

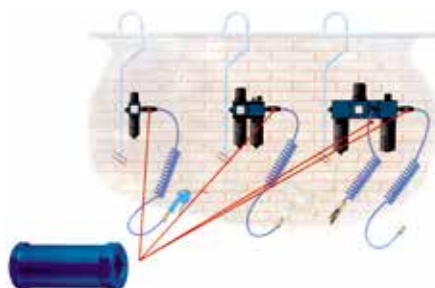
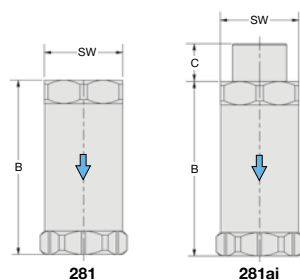


cross-section

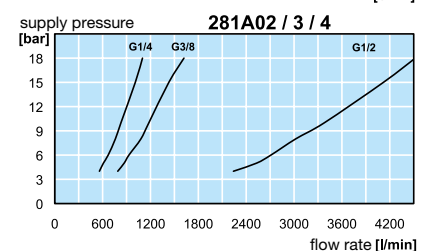
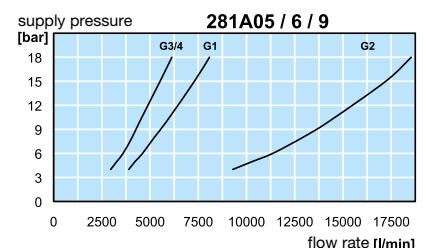
Special options, add the appropriate letter

NPT	connection thread for standard version	281A1 ...
	connection thread for Low-Flow version	281ZL1 ...
	connection thread for High-Flow version	281ZH1 ...
		281R ...

stainless steel body



application example



*1 Standard version

*2 volume flow measurement according to DIN EN60534 (± 10% for closing)

* Product group

