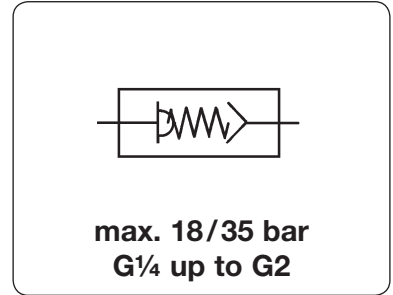


<b>Description</b>	Air supply is immediately shut off when volume flow exceeds a specific value. The maximum admissible flow is factory-set in such a way that a standard application of pneumatic equipment is ensured. Pressure drop amounts to 0.05 to 0.3 bar. In the case of failure, the hose rupture valve blows off through a small nozzle. After repairing the hose break, the hose rupture valve can be set to zero again.	
<b>Standard EN 983:1996</b>	According to EN 983:1996 § 5.3.4.3.2 the hose rupture valve protects individuals, systems and machines from injuries or damages caused by lashing hose lines in the event of hose breaks.	
<b>Function</b>	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.	
<b>Supply pressure</b>	max. 18 bar for sizes G $\frac{3}{4}$ , max. 25 bar for sizes G $\frac{1}{2}$ to G $\frac{1}{4}$ , max. 35 bar for sizes G1 and G2	
<b>Temperature range</b>	-20 °C to 80 °C / -4 °F to 176 °F at G $\frac{1}{4}$ to G $\frac{1}{2}$ , up to 120 °C / 248 °F at G $\frac{3}{4}$ to G2	
<b>Material</b>	Body: aluminium Inner valve: stainless steel and plastic Elastomer: NBR/Buna-N	



Dimensions			Max. flow rate at 8 bar		Operating pressure max. bar	Connection thread G	Order number
B mm	C mm	A/F mm	m <sup>3</sup> /h	l/min			

## Hose Rupture Valve "HoseGuard®" operating pressure max. 18/35 bar Model 281

48	9	22	42	700	25	G $\frac{1}{4}$	<b>281A0211</b>
	-					G $\frac{1}{4}$ m/f	<b>281A0221</b>
59	17	27	66	1100	25	G $\frac{3}{8}$	<b>281A0311</b>
	-					G $\frac{3}{8}$ m/f	<b>281A0321</b>
65	15	30	156	2600	25	G $\frac{1}{2}$	<b>281A0411</b>
	-					G $\frac{1}{2}$ m/f	<b>281A0421</b>
76	-	36	252	4200	18	G $\frac{3}{4}$	<b>281A0511</b>
100	-	50	420	7000	35	G1	<b>281A0611</b>
130	-	80	1200	20000	35	G2	<b>281A0911</b>



281

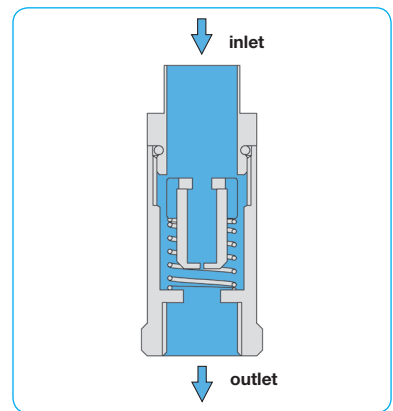
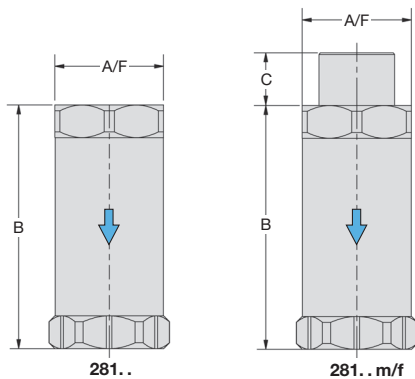
## Special options, add the appropriate letter

<b>NPT</b>	connection thread	281A1...
<b>body of stainless steel</b>		281R...

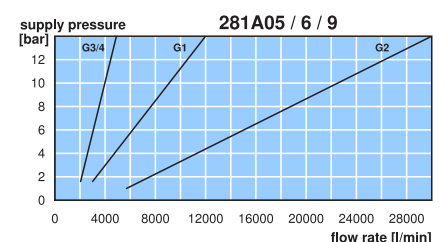
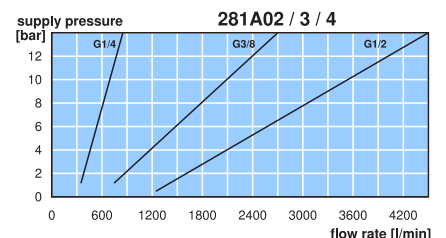
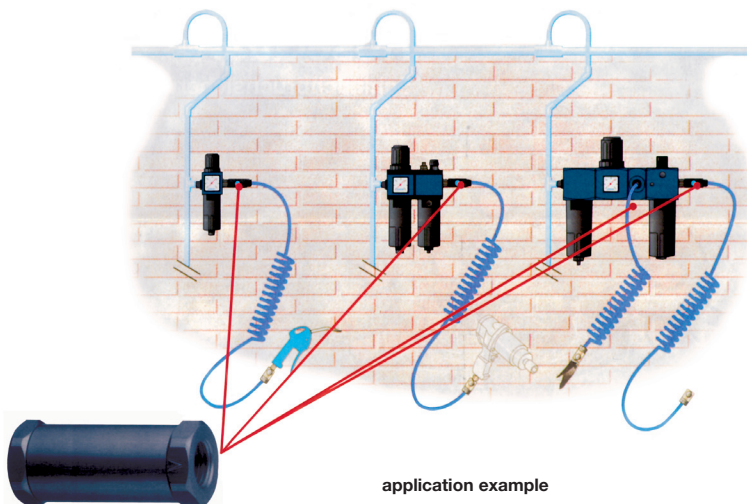
Safety



16



cross section



PDF CAD  
www.aircom.net



Order number:  
**281A0211**