



SAFETY NOT RETURN VALVES SNR Ø 100 ÷ 700 EXPLOSION VALVES ATEX CERTIFIED

CE 1370 EPT 18 ATEX 3028 X II D



Aircom's safety not return valves, are **ATEX CERTIFIED EN 16447** against the propagation of explosion in suction lines. They are the sure solution to isolate the environments in case of explosion in the suction plants locking the explosive effect in the suction line. They are made of carbon steel painted standard **RAL 3020** or in stainless steel AISI 304 or AISI 316, welded in all the unions and the structure is reinforced to withstand high pressures. Our standard production is equipped with flanges and counterflanges compatible with DIN 24154-R1 except Ø35-550-650-700 and locking mechanism. The gasket grants the sealing in closing position.

TECHNICAL DATA:

Horizontal pipe
 Temperature range: from -20°C to +60°C
 Process flux: pull flow
 Dust type: not metallic
 Minimum applicable volume: see table (V_{min})
 ATEX class: 2
 $p_{red,max}$: 0,5 bar (7,25 PSI)
 p_{max} : 8.6 bar
 MIE: 3÷10 mJ
 MIT: 600 °C
 Maximum air speed: 30 m/s
 Minimum and maximum installation distance: see table (L_{min} / L_{max})

ØSNR [mm]	L_{min} [m]	L_{max} [m]	$K_{st,max}$ [bar*m/s]	V_{min} [m³]	Pressure drop @ 25 m/s [mmH ₂ O]
100	3	5	270	2,34	27,0
125	3	5	270	2,34	27,0
150	3	5	270	2,34	26,5
160	2	4	270	2,34	26,5
180	2	4	270	2,34	26,0
200	2	4	270	2,34	25,0
250	2	4	270	2,34	24,5
300	2	4	270	2,34	24,5
350	2	4	270	2,34	24,0
400	2	4	270	2,34	23,5
450	3	4	260	10	23,0
500	3	4	260	10	23,0
550	3	4	260	10	23,5
600	3	4	260	10	23,5
650	3	4	260	10	24,0
700	3	4	260	10	24,0

ACCESSORIES ON DEMAND:

Microswitch closed position
 Capacitive sensor for dust deposit detecting
 Gasket in siliconcell
 Pneumatic cleaning system
 Pneumatic rearm for anti-opening lock

ØSNR [mm]	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	H [mm]	M [mm]	m [kg]
100	150	195	385	-	230	100	75	-	-	8
125	175	220	410	-	255	110	88	-	-	9
150	200	245	435	-	255	125	100	-	-	10
160	360	360	555	460	305	180	170	-	25	20
180	360	360	555	460	305	180	170	-	25	20
200	360	360	555	460	305	180	175	-	25	20
250	410	410	605	510	330	205	195	-	25	25
300	460	460	675	555	355	230	220	-	25	38
350	510	530	725	605	380	255	245	305	25	45
400	560	580	775	690	405	280	270	350	65	54
450	610	630	825	750	430	305	295	400	120	68
500	660	680	875	860	455	330	320	455	200	80
550	710	730	925	875	480	355	345	505	120	100
600	760	780	975	930	505	380	370	555	160	115
650	810	830	1025	1010	530	405	395	605	200	125
700	860	880	1075	1095	555	430	420	655	250	135

