

prevost



AIR FUSE

AVAILABLE FROM

METRO SALES



Flow rate (l/min)	Flow rate (m³/h)	Flow rate (m³/min)	Flow rate (m³/h)
10	0.6	0.017	0.6
20	1.2	0.033	1.2
30	1.8	0.050	1.8
40	2.4	0.067	2.4
50	3.0	0.083	3.0
60	3.6	0.100	3.6
70	4.2	0.117	4.2
80	4.8	0.133	4.8
90	5.4	0.150	5.4
100	6.0	0.167	6.0
120	7.2	0.200	7.2
150	9.0	0.250	9.0
200	12.0	0.333	12.0
300	18.0	0.500	18.0
400	24.0	0.667	24.0
500	30.0	0.833	30.0
600	36.0	1.000	36.0
700	42.0	1.167	42.0
800	48.0	1.333	48.0
900	54.0	1.500	54.0
1000	60.0	1.667	60.0

Provides protection in the event of a hose burst or break

EU standard E 983 - 1996
§ 5.3.4.3.2



AIR FUSE provides automatic protection in any pneumatic system by immediately shutting off the air supply when the flow exceeds the factory pre-set trigger value. Protecting operators, the general public and equipment from the dangers of uncontrolled hose whip in the event of a hose burst or break.

AIR FUSE's trigger value is pre-set and tamper proof. During normal use of compressed air the AIR FUSE will not interfere, only in the event of the flow exceeding the trigger value will AIR FUSE be automatically activated. A tiny bleed nozzle gives an audible signal to alert the operator that AIR FUSE has activated. AIR FUSE automatically resets when the hose is repaired or re-connected to the air supply.

Care must be taken to choose the correct AIR FUSE for your application:

- The normal air consumption must be below the trigger value (see chart)
- Full flow for the burst hose must exceed the trigger value.

AIR FUSE is a safety critical item and will not activate correctly if the hose is too small (diameter) or too long. Please observe the recommendations on the back of this leaflet. To provide the correct flow care should be taken in your choice of quick release coupling.

**Compressed Air:
Do not neglect the
risks in your workshop**





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Material

Body: Aluminium

Spring: Stainless steel

Piston: POM (1/4", 3/8", 1/2"), aluminium (3/4", 1", 2")

Fitting

AIR FUSE must be fitted on the supply side of the hose or section to be protected.

An arrow on the AIR FUSE body indicates the air flow direction.

	A	B	Pressure (Bar)	Temp. (°C)	Weight (g)	Thread Gas BSP	Trigger value at 6 bar (l/min)	Reference
Female/Female AIR FUSE								
	48	22	1 - 18 bar	-20° +80°C	30 g	1/4"	480 l/min	MCCA13
	59	27	1 - 18 bar	-20° +80°C	36 g	3/8"	1100 l/min	MCCA17
	65	30	1 - 18 bar	-20° +80°C	78 g	1/2"	2000 l/min	MCCA21
	76	36	1 - 18 bar	-20° +120°C	107 g	3/4"	3800 l/min	MCCA27
	100	50	1 - 35 bar	-20° +120°C	300 g	1"	6500 l/min	MCCA34
	130	80	1 - 35 bar	-20° +120°C	775 g	2"	16000 l/min	MCCA60
Male/Female AIR FUSE								
	58	22	1 - 18 bar	-20° +80°C	36 g	1/4"	480 l/min	MCCAMF13
	71	27	1 - 18 bar	-20° +80°C	62 g	3/8"	1500 l/min	MCCAMF17
	80	30	1 - 18 bar	-20° +80°C	85 g	1/2"	2500 l/min	MCCAMF21

Hose recommendations for internal diameter and length:

CCA 13: Do not use on hoses Ø 6mm longer than 5mtr / Ø 8mm longer than 30mtr

CCA 17: Do not use on hoses Ø 8mm or less / Ø 10mm longer than 15mtr

CCA 21: Do not use on hoses Ø 10mm or less / Ø 13mm longer than 20mtr

CCA 27: Do not use on hoses Ø 13mm or less / Ø 16mm longer than 10mtr / Ø 19mm longer than 40mtr

For trigger values at different pressures see the charts below:

