

RA-3 80

TECHNICAL SHEET

AIR KNIVES

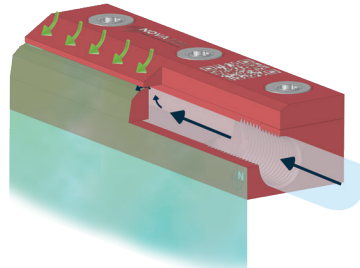
SINGLE FLOW



OPERATING PRINCIPAL

Surrounding air

Amplified air output
(Compressed air input
+ surrounding air)



Compressed
air input

Economical

UP TO
94%
SAVINGS IN AIR
CONSUMPTION

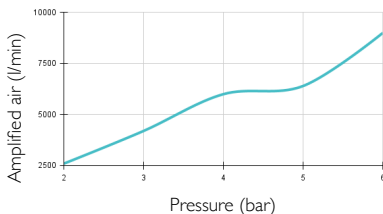
TECHNICAL INFORMATION*

BENEFITS OF USING THE RA-3 80 AIR KNIFE* <small>(Compared to an open pipe)</small>		Reduction in air consumption (%)		Noise reduction (%)		
		Up to 94%		Up to 35%		
PERFORMANCES AIR KNIFE RA-3 80*	Pressure (bar)	Air consumption (l/min)	Blowing force (N)		Noise level (dB)	Amplified air (l/min)
			at 150mm	at 450mm		
	4	300	1,5	1,4	84	6000
	6	450	2,2	2	87	9000
VS						
OPEN PIPE Ø8*	Pressure (bar)	Air consumption (l/min)	Noise level (dB)		Amplified air (l/min)	
<small>(opened on 80mm)</small>	6	5400	130		5400	

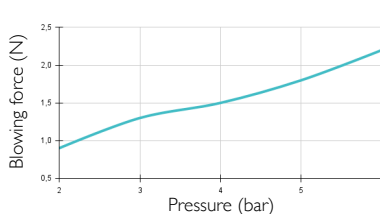
RA-3 80 AIR KNIFE FEATURES

- **Connection** : Female G1/4"
- **Weight** : Aluminium : 133g / Stainless steel 316 L : 391g
- **Max. operating temperature** : Aluminium : 150°C / Stainless steel 316 L : 450°C
- **Max pressure** : 10 bars

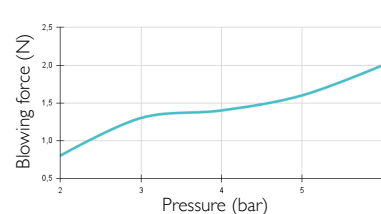
AMPLIFIED AIRSTREAM DEPENDING ON PRESSURE*



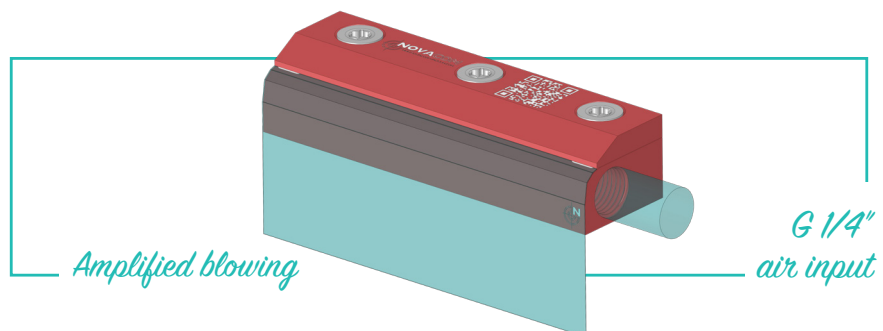
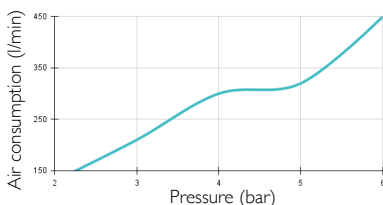
BLOWING FORCE AT 150 MM DEPENDING ON PRESSURE*



BLOWING FORCE AT 450 MM DEPENDING ON PRESSURE*

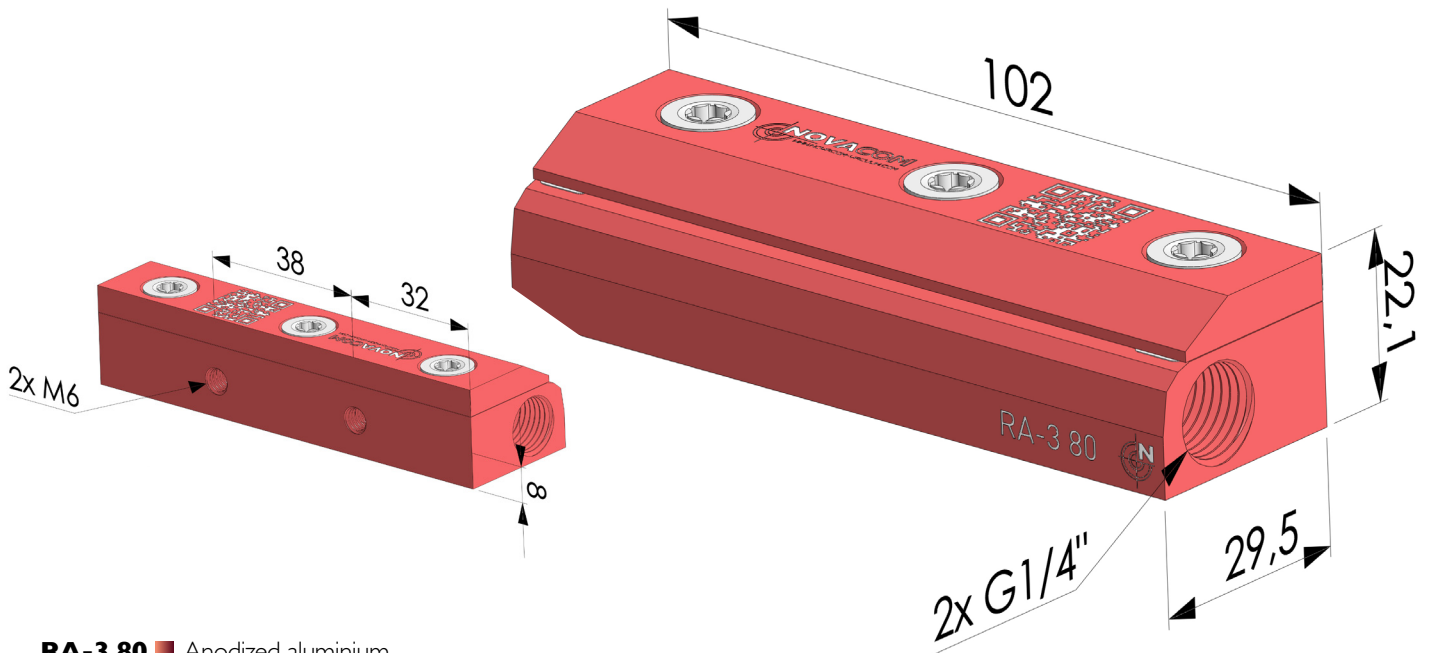


AIR CONSUMPTION DEPENDING ON PRESSURE*



* **NOTE:** The measurements in this data sheet have been obtained in a laboratory under strict control. The varying conditions of a real industrial environment and the instability of pressure from an industrial compressor can create different values than the ones obtained in a laboratory. Those data are provided for information purposes only.
To achieve the best performance from the air knives, we recommend using a compressed air supply tube with a minimum 8 mm inside.

DIMENSIONS



RA-3 80 ■ Anodized aluminium

RA-3 80 ACI ■ 316L Stainless steel

The values are given in millimeters