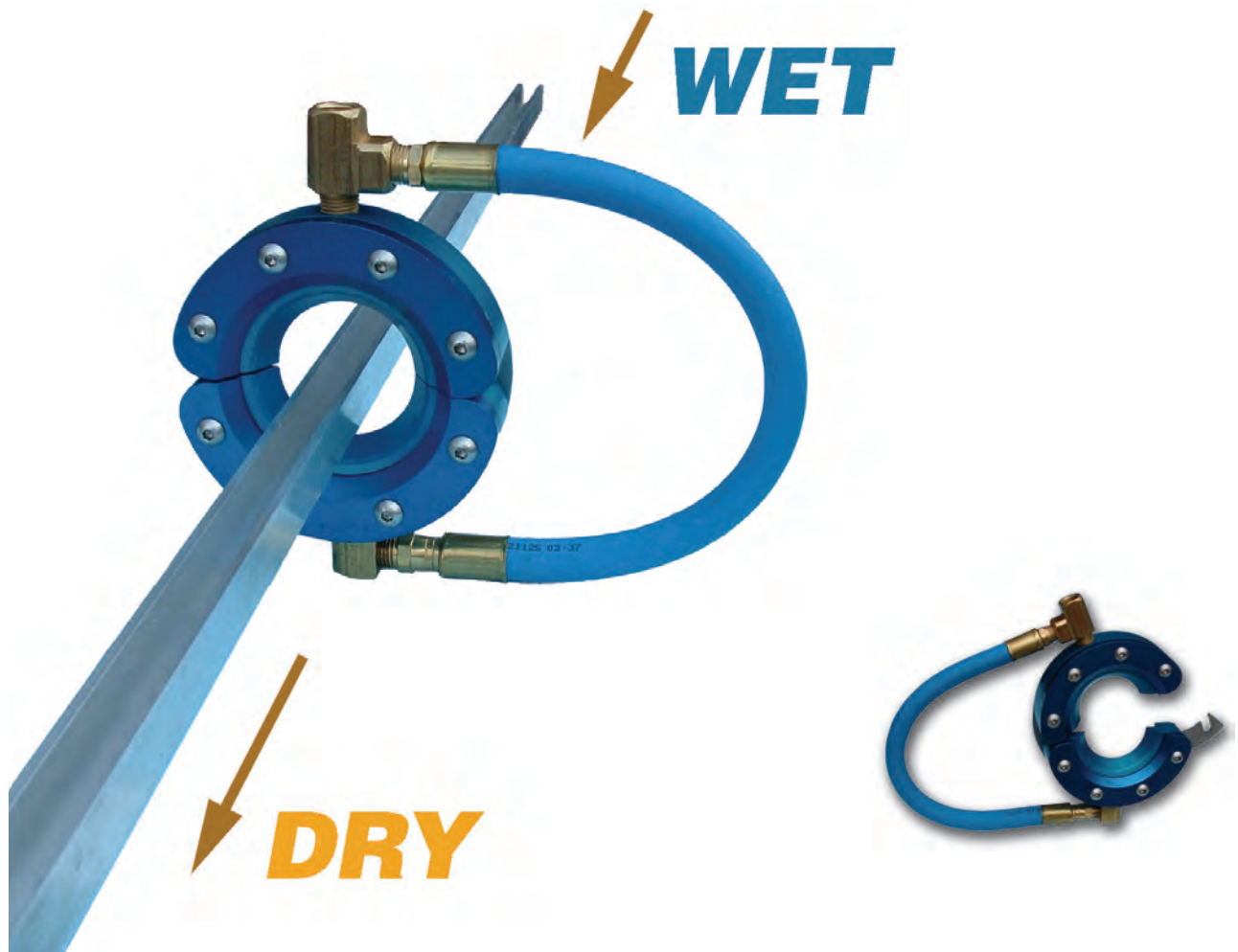


## RING BLADE AIR WIPE SYSTEM

The Ring-Blade™ has the advantage of being able to be opened at a single hinge point to close around any continuous length workpiece. The Ring-Blade™ Air Wipe System produces a "laminar" flow of air along its 360° angle using the "Coanda" effect which "entrains" a large volume of air from the surrounding area along with the small amount of compressed air from the Ring-Blade™ Air Wipe System air-saver wiper-blade to produce an output flow up to 30 times the input. Pay back on compressed air savings can be as soon as a few weeks in some applications when compared to nozzle "rings" or simple annular slots used by other air wiping systems.



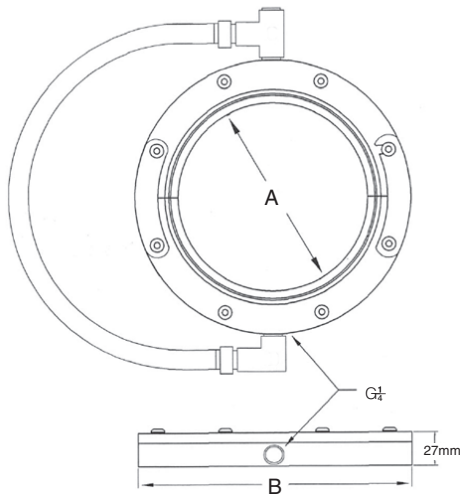
### Features

- The Ring-Blade™ Air Wipe System is made from aluminum and stainless steel to provide even air flow 360° around the workpiece.
- Designed as two pieces hinged together to open and close around the part.
- Utilises the "Coanda" effect to amplify air flow.
- Instant on-off with no moving parts, no electricity or explosion hazard.

### Benefits

- Reduced compressed air use for energy savings plus lower noise levels.
- Maintenance free with output easily controlled, safe to use.
- Easy to install and maintain and allows removal of a continuous piece.
- Even blow off around the workpiece, light in weight and compact.

## RING BLADE AIR WIPE SYSTEM



**ALUMINIUM RING BLADE WITH STANDARD AIR HOSE**



**Material:** Aluminium.

**Standard Gap:** 0.05mm

**dB(A) at:** 5.5 bar is 80

**Shims:** 0.10mm optional extra

**Standard Inlet Threads:** G $\frac{1}{4}$

**Options:**  $\frac{1}{4}$ " NPT

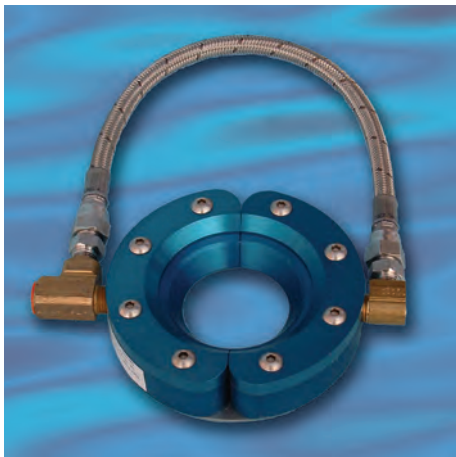
Please specify on order  $\frac{1}{4}$ " NPTF

PART NO.	A	B	Description	Weight
RB1AL	25mm	57mm	Aluminium Ring Blade	0.20Kg
RB2AL	52mm	120mm	Aluminium Ring Blade	0.35Kg
RB3AL	77mm	146mm	Aluminium Ring Blade	0.60Kg
RB4AL	103mm	171mm	Aluminium Ring Blade	0.70Kg

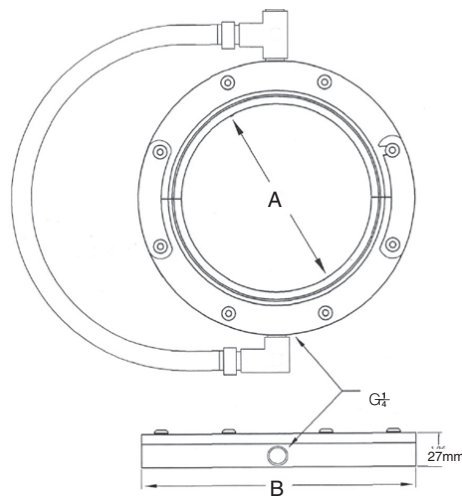
INLET PRESSURE BAR	Air Consumption in SCFM with standard 0.05mm gap					Air Consumption in SCFM with 0.10mm gap (shim added)				
	25.4 mm	50.8 mm	76.2 mm	101.6 mm	152.4 mm	25.4 mm	50.8 mm	76.2 mm	101.6 mm	152.4 mm
DIA. A	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min
1 BAR	0.34	0.45	0.57	0.68	0.88	0.65	0.85	0.85	1.28	1.70
2 BAR	0.51	0.68	0.85	1.02	1.36	1.02	1.36	1.70	2.04	2.55
3 BAR	0.71	0.94	1.16	1.39	1.84	1.67	2.21	2.78	3.32	4.42
4 BAR	0.88	1.16	1.45	1.73	2.32	1.73	2.30	2.86	3.43	4.56
5 BAR	1.05	1.39	1.76	2.10	2.78	2.21	2.75	3.46	4.42	5.50
6 BAR	1.22	1.64	2.04	2.44	3.26	2.24	3.23	4.05	4.85	6.46

Based on an amplification ratio of 30:1 air flow output would be 30 times the above.

## RING BLADE AIR WIPE SYSTEM



**HIGH TEMPERATURE  
ALUMINIUM RING  
BLADE WITH  
STAINLESS STEEL  
HOSE TO (205°C)**



**Material:** Aluminium & Stainless Steel.

**Standard Gap:** 0.05mm

**dB(A) at:** 5.5 bar is 80

**Shims:** 0.10mm optional extra

**Standard Inlet Threads:** G $\frac{1}{4}$

**Options:**  $\frac{1}{4}$ " NPT  
Please specify on order  $\frac{1}{4}$ " NPTF

PART NO.	A	B	Description	Weight
RB1ALX	25mm	57mm	Aluminium Ring Blade	0.20Kg
RB2ALX	52mm	120mm	Aluminium Ring Blade	0.35Kg
RB3ALX	77mm	146mm	Aluminium Ring Blade	0.60Kg
RB4ALX	103mm	171mm	Aluminium Ring Blade	0.70Kg

INLET PRESSURE BAR	Air Consumption in SCFM with standard 0.05mm gap					Air Consumption in SCFM with 0.10mm gap (shim added)				
	25.4 mm	50.8 mm	76.2 mm	101.6 mm	152.4 mm	25.4 mm	50.8 mm	76.2 mm	101.6 mm	152.4 mm
DIA. A	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min	m <sup>3</sup> /min
1 BAR	0.34	0.45	0.57	0.68	0.88	0.65	0.85	0.85	1.28	1.70
2 BAR	0.51	0.68	0.85	1.02	1.36	1.02	1.36	1.70	2.04	2.55
3 BAR	0.71	0.94	1.16	1.39	1.84	1.67	2.21	2.78	3.32	4.42
4 BAR	0.88	1.16	1.45	1.73	2.32	1.73	2.30	2.86	3.43	4.56
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Based on an amplification ratio of 30:1 air flow output would be 30 times the above.