

Leading Technology Into The Future

NEX FLOW™

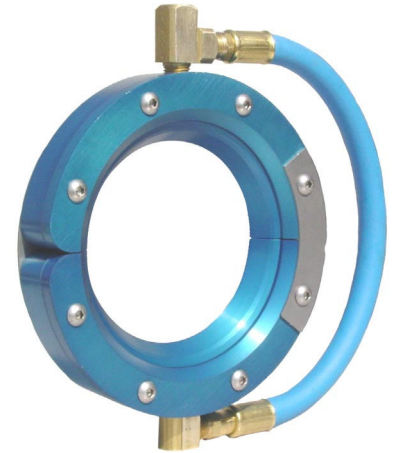
Technologies Inc.

RING-BLADE™ AIR WIPE SYSTEM

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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.

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 of coated aluminum to provide even air flow 360° around the part.
- Designed as two pieces hinged together to open and close around the part.
- Utilizes the "Coanda" effect to amplify air flow.
- Instant on-off with no moving parts, no electricity or explosion hazard.

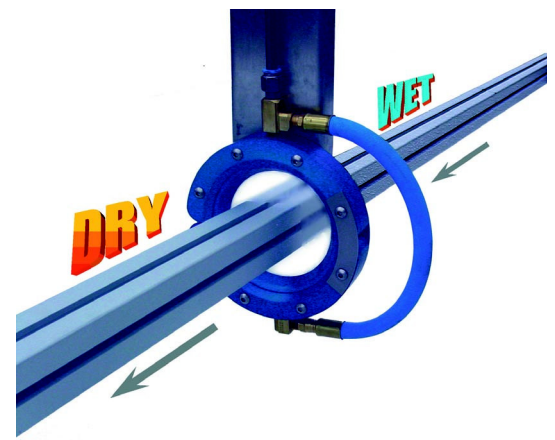
Benefits

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

Ring-Blade™ Compressed Air Wipe Systems are available in five standard (inside) diameters: 1", 3", 4", & 6".

Special diameters are available on special.

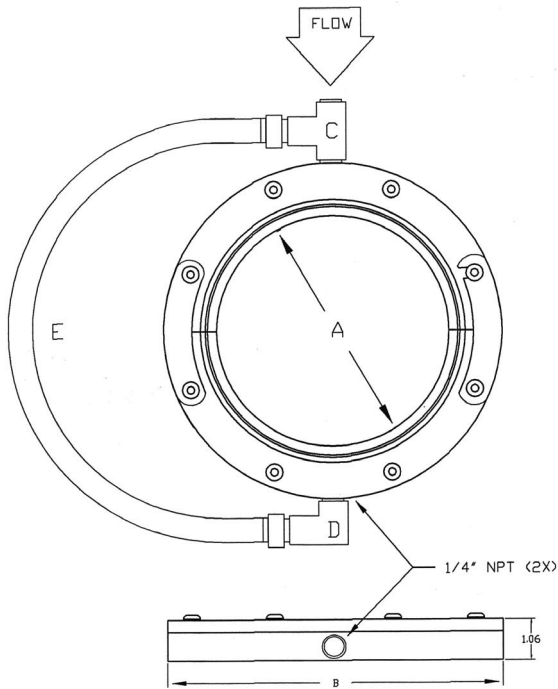
Ring-Blade™ Compressed Air Wipe Systems come with a standard .002" outlet gap which will work for 90% of all applications encountered. If greater force is required, a second .002" shim may be installed to open the gap for greater flow. Materials of construction coated aluminum.



ASTech
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RING-BLADE™ AIR WIPE DIMENSIONS



Coated Aluminum (Std. Apps)	Stainless Steel (High Temp. Apps)	A	B
20001	20001X	1.00" 25mm	3.75" 95mm
20002	20002X	2.00" 51mm	4.75" 121mm
20003	20003X	3.00" 76mm	5.75" 146mm
20004	20004X	4.00" 102mm	6.75" 171mm
20006	20006X	6.00" 153mm	8.75" 222mm

COMPRESSED AIR CONSUMPTION

Compressed Air consumption of Ring-Blade™ Air Wipe

INLET PRESSURE	Air Consumption in SCFM with std. .002" (0.05mm) gap					Air Consumption in SCFM with .004" (0.10mm) gap (shim added)				
	1"	2"	3"	4"	6"	1"	2"	3"	4"	6"
20 PSIG (1.5 BAR)	12 (339)	16 (435)	20 (567)	24 (680)	31 (879)	23 (651)	30 (849)	30 (1076)	45 (1274)	60 (1699)
40 PSIG (2.8 BAR)	18 (510)	24 (680)	30 (849)	36 (1019)	48 (1359)	36 (1019)	48 (1359)	60 (1699)	72 (2039)	96 (2718)
60 PSIG (4.1 BAR)	25 (708)	33 (934)	41 (1161)	49 (1387)	65 (1840)	59 (1671)	78 (2208)	98 (2775)	117 (3313)	156 (4417)
80 PSIG (5.5 BAR)	31 (878)	41 (1160)	51 (1444)	61 (1727)	82 (2322)	61 (1727)	81 (2294)	101 (2860)	121 (3426)	161 (4559)
100 PSIG (6.9 BAR)	37 (1048)	49 (1387)	62 (1756)	74 (2095)	98 (2775)	78 (2209)	97 (2747)	122 (3454)	156 (4417)	194 (5493)
120 PSIG (8.4 BAR)	43 (1217)	58 (1642)	72 (2039)	86 (2435)	115 (3256)	86 (2435)	114 (3228)	143 (4049)	171 (4842)	228 (6456)

Based on an Amplification Ratio of 30:1 to air flow output would be 30 times the above.

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