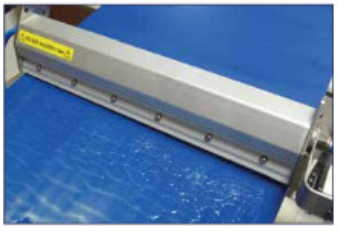
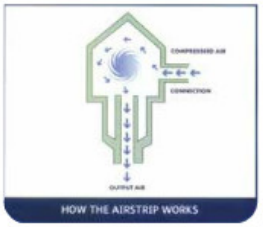
NEUBLADE AIRSTRIP

NOT ALL COMPRESSED AIR PRODUCTS ARE THE SAME....





*The **NEUBLADE** from **Beckair** utilises innovative technology developed to give the highest performance, lowest noise and lowest air consumption compared to any other product. The powerful, whisper-quiet blade of air is ideal for drying, cleaning, cooling or containing in all kinds of process, food and manufacturing applications.*

The key to it's performance is our flow straightening technology (Patent applied for) which provides an exceptionally laminar sheet of air. The low levels of turbulence also mean extremely low noise (65dB).

APPLICATIONS	
DRYING	Printing, Paints, Coatings, Components, Conveyor Belts
CLEANING	Components, Conveyors, Instruments Lens, Dust Removal, Waste Removal
COOLING	Components
AIR CURTAIN	Fume Containment, Heat Containment from ovens and furnaces

- **No moving parts - means the Neublade is maintenance free**
- **Ultra low air consumption means significantly lower running costs than standard nozzles and strips**
- **Ultra-Quiet Operation (typically 65 dB) for an improved working environment**
- **Easily mounted onto existing installations**
- **Choice of air entry for maximum flexibility**

TECHNICAL INFORMATION - NEUBLADE

CODE	LENGTH		INLET	AIR CONSUMPTION@4BAR		NOISE	€
	mm	inches		SLPM	SCFM	DB(A) @1M	E26
BNEUBLADE/80	80	3"	1/4" BSP + Push In Fitting	198	7	65	111.04
BNEUBLADE/150	150	6"	1/4" BSP + Push In Fitting	368	13	65	145.73
BNEUBLADE/300	300	12"	1/4" BSP + Push In Fitting	736	26	65	184.60
BNEUBLADE/450	450	18"	1/4" BSP + Push In Fitting	1104	39	65	235.11
BNEUBLADE/600	600	24"	1/4" BSP + Push In Fitting	1471	52	65	275.92
BNEUBLADE/750	750	30"	1/4" BSP + Push In Fitting	1839	65	65	340.04
BNEUBLADE/900	900	36"	1/4" BSP + Push In Fitting	2207	78	65	384.74
BNEUBLADE/1000	1000	39"	1/4" BSP + Push In Fitting	2462	87	65	437.20
BNEUBLADE/1200	1200	48"	1/4" BSP + Push In Fitting	2943	104	65	503.26

The Neublade is manufactured from extruded, anodised aluminium and comes complete with quick fit hose connector. Because of the method of construction, we are able to offer the Neublade in any length up to 2m long. Please call our sales team for further information.

HOW NEUBLADE CAN REDUCE YOUR OPERATING COSTS

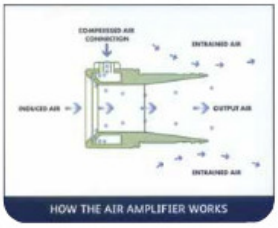
TYPE OF AIRSTRIP	AIR CONSUMPTION@4BAR		NOISE LEVEL	POWER REQUIRED	RUNNING COSTS
	SLPM	SCFM	dB(A)@1m	kW	PER YEAR*
5 Holes in 50mm length of Pipe (3mm or 1/8"	1980	70	95	10.0	£960
Standard Air Wipe (50mm)	450	16	85	2.3	£220
Neublade (50mm)	124	4.5	65	0.65	£62

***Based on 40 hours per week, 48 weeks per year with an energy cost of around £0.05 per kWh**

BECK AIR

RINGJET AIR AMPLIFIERS

JUST AS POWERFUL AND FAR MORE EFFICIENT THAN CONVENTIONAL NOZZLES....



HOW THE AIR AMPLIFIER WORKS

ALSO AVAILABLE IN STAINLESS STEEL

Ringjets Air Amplifiers are bladeless, motorless fans which can be used for cooling, extracting, drying and ventilating in process, food and manufacturing industries.

Using a small volume of compressed air as the power source, Ringjets utilise the "Coanda" effect to draw larger volumes of ambient air into the device to amplify the air flow by up to 25 times.

APPLICATIONS	
COOLING	Components, Mouldings, Extrusions, People, Components on Test
EXTRACTION	Fumes, Water, Dust, Waste Material
DRYING	Components, Printing, Material

- **No moving parts - means the Ringjet is maintenance free**
- **No electricity required - means they are safe to use in wet locations**
- **Adjustable flow control - using air gap and inlet pressure**
- **Energy efficient - means low running costs**
- **Low Cost**
- **Quiet Operation (less than 80 dB(A))**

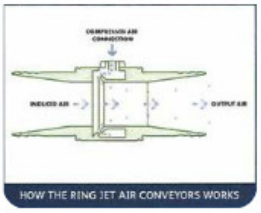
TECHNICAL INFORMATION - RINGJET AMPLIERS

CODE	THROAT DIAMETER mm	AIR INLET BSP	AIR CONSUMPTION @4BAR SLPM	AIR CONSUMPTION @4BAR SCFM	OUTLET AIRFLOW SLPM	OUTLET AIRFLOW SCFM	HOSE SIZE FOR DUCTING mm	HOSE SIZE FOR DUCTING inches	O.D. mm	LENGTH mm	MATERIAL	€ E26
BRJ12A	12	1/8"	170	6	5,666	200	19	3/4"	25	63	Anodised Alloy	52.31
BRJ20A	20	1/8"	283	10	6,800	240	32	1-1/4"	40	63	Anodised Alloy	63.41
BRJ25A	25	1/4"	397	14	11,333	400	38	1-1/2"	50	90	Anodised Alloy	59.450
BRJ40A	40	1/4"	510	18	14,150	500	50	2"	63	95	Anodised Alloy	112.56
BRJ50A	50	3/8"	962	34	20,666	730	76	3"	90	135	Anodised Alloy	185.48
BRJ75A	75	1/2"	1416	50	33,333	1,178	100	4"	132	165	Anodised Alloy	429.61
BRJ12S/S	12	1/8"	170	6	5,666	200	19	3/4"	25	63	Stainless Steel (316)	210.84
BRJ20S/S	20	1/8"	283	10	6,800	240	32	1-1/4"	40	63	Stainless Steel (316)	264.74
BRJ25S/S	25	1/4"	397	14	11,333	400	38	1-1/2"	50	90	Stainless Steel (316)	283.77
BRJ40S/S	40	1/4"	510	18	14,150	500	50	2"	63	95	Stainless Steel (316)	356.69
BRJ50S/S	50	3/8"	962	34	20,666	730	76	3"	90	135	Stainless Steel (316)	483.51

RINGJET AIR CONVEYORS

CONVEY ALL KINDS OF PARTS AND MATERIAL....
WITHOUT BLOWERS, PUMPS OR ELECTRICITY

- No moving parts - means the Ringjet is maintenance free
- No electricity required - means they are safe to use with liquids and wet material
- Adjustable flow control - using air gap and inlet pressure
- Energy efficient - means low running costs
- Ideal for conveying over long distances
- Quiet Operation (less than 80 dB(A)



Ringjets Air Conveyors are bladeless, motorless fans which connect to flexible hose and are ideal for conveying and extracting all kinds of materials in process, food and manufacturing industries. Using a small volume of compressed air as the power source, Ringjets utilise the 'Coanda' effect to draw larger volumes of ambient air into the device to amplify the air by up to 25 times. Ringjet Conveyors are capable of moving material over long distances and this can be increased by adding additional conveyors into the line.

APPLICATIONS

CONVEYING Plastic Pellets, Waste Removal, Food Products, Pills & Tablets, Small Components, Dust, Liquids, Paper Trim

EXTRACTION Fumes, Liquids, Dust, Waste Material

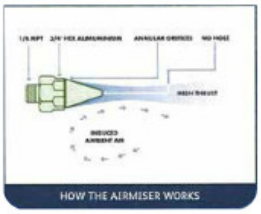
TECHNICAL INFORMATION - RINGJET CONVEYORS

CODE	THROAT DIAMETER mm	AIR INLET BSP	AIR CONSUMPTION @4BAR SLPM	AIR CONSUMPTION @4BAR SCFM	OUTLET AIRFLOW SLPM	OUTLET AIRFLOW SCFM	HOSE SIZE FOR DUCTING mm	HOSE SIZE FOR DUCTING inches	O.D. mm	LENGTH mm	MATERIAL	€ E26
BRJ12C	12	1/8"	170	6	5,666	200	19	3/4"	25	95	Anodised Alloy	65.00
BRJ20C	20	1/8"	283	10	6,800	240	32	1-1/4"	40	95	Anodised Alloy	71.34
BRJ25C	25	1/4"	397	14	11,333	400	38	1-1/2"	50	135	Anodised Alloy	77.68
BRJ40C	40	1/4"	510	18	14,150	500	50	2"	63	135	Anodised Alloy	118.90
BRJ50C	50	3/8"	962	34	20,666	730	76	3"	90	203	Anodised Alloy	201.33
BRJ75C	75	1/2"	1416	50	33,333	1,178	100	4"	132	248	Anodised Alloy	320.23
BRJ20CS/S	20	1/8"	283	10	6,800	240	32	1-1/4"	40	63	Stainless Steel (304)	228.28
BRJ50CS/S	50	3/8"	962	34	20,666	730	76	3"	90	135	Stainless Steel (304)	629.36

AIRMISER NOZZLE

- No moving parts - means the airmiser is maintenance free
- Low air consumption means significantly lower running costs than open holes and pipes
- Quieter operation (below 80 DB (A) at 1m) for an improved working environment
- Easily mounted onto existing installations

The Airmiser uses a series of annular nozzles instead of a single hole to create a safer, more efficient, lower noise alternative to open tubes and pipes. A small volume of compressed air is amplified up to 25 times by utilising the Coanda effect to induce a higher flow of ambient air into the air stream. Because of the risk of serious injury from compressed air entering the bloodstream from single open pipes at high pressure, the multi-nozzle arrangement of the airmiser is designed to be much safer alternative. Replacing open jets with airmisers will give significantly reduced air consumption and lower noise levels and in most cases it is a simple operation to install airmiser nozzles. Airmisers are suitable for use individually or in multiple arrays to create a much greater effect.



TECHNICAL INFORMATION - AIRMISER NOZZLE

CODE	AIR INLET BSP	AIR CONSUMPTION@5BAR SLPM	AIR CONSUMPTION@5BAR SCFM	THRUST N	THRUST LBF	NOISE DB(A) @1M	€ E26
BAMSA	1/8"	225	8	1.8	0.4	65	20.61
BAMBH	1/4"	566	20	5.2	1.2	74	20.61
BAMSASS	1/8"	225	8	1.8	0.4	65	42.80
BAMBHSS	1/4"	566	20	5.2	1.2	74	42.80

PNEU-POWER

HIGH SUCTION CONVEYING WITHOUT THE HASSLE OF PUMPS, BLOWERS OR ELECTRICITY....

- **No moving parts - means the Pneu-Power is maintenance free**
- **No electricity required - means they are safe to use with liquids and wet material**
- **Adjustable flow control- using air valve and inlet pressure**
- **Energy efficient - means low running costs**
- **Quiet operation (less than 80 dB(A)**

The Beckair Pneu-Power is a bladeless, motorless fan which connects to flexible hose and gives high vacuum or high flow for conveying and extracting all kinds of materials in process, food and manufacturing industries.

Using a small volume of compressed air as the power source, the Pneu-Power utilises the "Coanda" effect to draw larger volumes of ambient air into the device to amplify the air flow by up to 25 times.

The Pneu-Power has very high performance and is capable of moving material over very long distances.

APPLICATIONS

CONVEYING Tank Filling/Emptying, Hopper Loading, Powder, Granules, Swarf Removal, Dust, Liquids

EXTRACTION Fumes, Liquids, Dust, Waste Material

TECHNICAL INFORMATION - PNEU-POWER

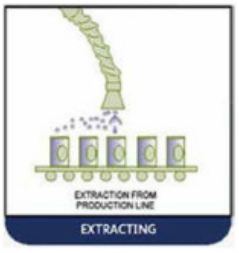
CODE	AIR INLET	AIR CONSUMPTION@6BAR		OUTLET AIR FLOW		VACUUM			€
	BSP	SLPM	SCFM	SLPM	SCFM	MM WG	INCH WG	INCH HG	E26
BNEUPOWERA	1/4"	885	31	2250	80	2072	82"	6"	**474.88**
BNEUPOWERB	1/4"	885	31	900	32	5700	224"	16.5"	**474.88**

The Pneu-Power is extremely robust, being manufactured from cast aluminium and is designed for use in harsh environments.

Type A offers higher flows, Type B offers higher suction.

For applications where extraction only is required, the silencer (supplied) diffuses the air and reduces the noise from the device.

THE PNEU-POWER IN USE



CLUSTAJET VENTILATORS

HIGH PERFORMANCE VENTILATION AND EXTRACTION....
WITHOUT MOTORS OR ELECTRICITY

- No moving parts - means the Clustajet is maintenance free
- No electricity required - means they are safe to use in damp or wet locations
- Adjustable flow control - using the control valve

Standard Clustajets are manufactured from a strong welded steel casing. Other options include;

- Plastic
- Flexible Hose

Clustajet ventilators are a compressed air operated fan which utilise our Ringjet technology to create a robust, maintenance free, high performance ventilator.

Because the Clustajet uses compressed air, no electrical supply is needed making it suitable for safe use in damp or wet locations.

Multiple Ringjets are positioned inside a steel casing to create a space rocket jet effect which gives the unit it's high performance. For a given airflow, Clustajets are lighter in weight and smaller than equivalent electric fans.

APPLICATIONS	
EXTRACTION	Welding Fumes, Solvent Vapours, Dust
VENTILATING	Confined Spaces, Tanks, Sewers, Tunnels
COOLING	Components, Pipework

TECHNICAL INFORMATION - CLUSTAJET VENTILATORS

CODE	HOSE SIZE		AIR INLET BSP	AIR CONSUMPTION @4BAR		OUTLET AIR FLOW		DIMENSIONS						€
								DIAMETER		HEIGHT		LENGTH		
	mm	Inches	Inches	SLPM	SCFM	SLPM	SCFM	mm	Inches	mm	Inches	mm	Inches	E26
BCJ425	102	4"	1/4"	395	14	12,700	450	102	4"	180	7"	230	9"	**403.26**
BCJ620	150	6"	1/2"	1130	40	18,400	650	152	6"	254	10"	356	14"	**672.62**
BCJ825	203	8"	1"	2265	80	34,800	1230	203	8"	305	12"	457	18"	**887.48**
BCJ1250	305	12"	1"	5375	190	87,750	3100	305	12"	406	16"	508	20"	**1245.59**