

BST-RA

high efficiency filter elements

BST-RA filter elements are designed to remove aerosol oil and solid particles from compressed air and gas for those applications requiring high efficiency in separation.

- High pleated surface area
- High separation efficiency
- Low pressure drops, energy saving
- Drainage barrier
- Double O-Ring Seal
- Stainless steel metal parts
- Color code " blue"



The BST-RA series achieves particle removal performance down to 0.01 micron with 99,999% efficiency and a coalescence with a residual oil content lower than 0.01 mg / m³.

The BST-RA filter element must be preceded by BST- RM and BST-RB pre-filters to achieve best performance.

The pleated filtering media enhance the filtering area, lowering the pressure drops and providing a longer service life.

BST-RA meets the ISO 8573-1 requirements for air purity.

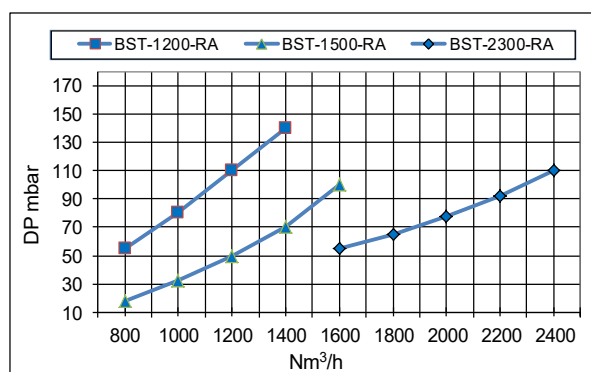
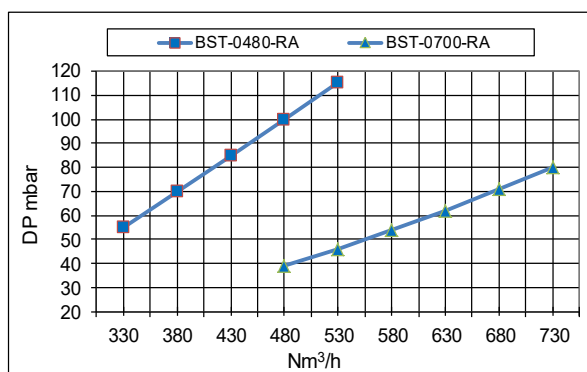
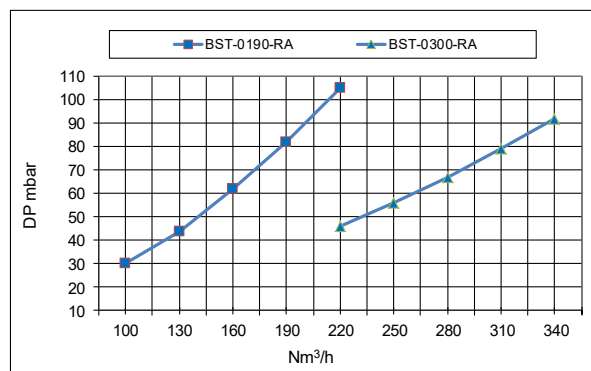
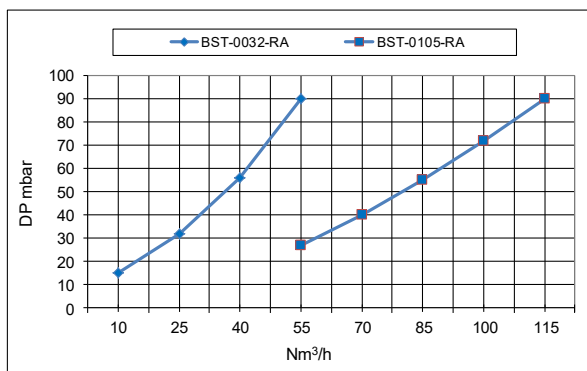
The performance of filter elements BST-RA is tested in accordance with ISO 12500-1/3 by accredited laboratories.

Characteristics	RA
Filtration rating	0,01 micron
Air Purity Class ISO 8573-1 solid particles	Class 1
Residual oil at 20°C (inlet < 5 mg/m ³)	0,01 mg/m ³
Air Purity Class ISO 8573-1 oil aerosol	Class 1
Operating temperature range	min. 1°C / max. 100° C
Max. differential pressure	3 bar
Flow direction	Inside / Outside
Media arrangement	Pleated
Pressure drop filter change out	12 mesi o ΔP > di 500 mbar
Housings suitable	AIR VIP ^{Evo} series

Technical data

Model	Filtering area	Flow rate *		Dimensions mm		Materials
	cm ²	m ³ /h	l/min	OD	length	
BST-0032-RA	260	32	533	54	69	End caps Tecnopolymer Color code "blue" Stainless steel BST 1400 & BST 2200
BST-0105-RA	600	105	1750	54	145	
BST-0190-RA	1300	190	3116	76	162	Metal supports Stainless steel
BST-0300-RA	1700	300	5000	76	218	
BST-0480-RA	2600	480	8000	76	298	Filter media Borosilicate glass fiber + Cellulose
BST-0700-RA	4000	700	11660	94	365	
BST-1200-RA	4500	1200	20000	94	463	Drainage barrier Polyester
BST-1400-RA	4800	1400	23333	120	350	
BST-1500-RA	4800	1500	25000	115	363	Bonding Polyurethane
BST-2200-RA	9600	2200	36666	120	700	
BST-2300-RA	9500	2200	36666	115	716	Gaskets Buna N

Pressure drop



* Flow rates refer to air at 20°C, 1 bar abs., 0% relative humidity and compressed at 7 bar.

Data contained in this bulletin are informative and subject to change without notice.
User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.