

## BST-CA

### activated carbon filter elements

BST-CA filter elements are designed to remove from compressed air and gas the oil vapor and the organic particles which are the source of disagreeable odors.

- High pleated surface area
- No carbon particles release
- Easy maintenance
- Stainless steel metal parts
- Double Oring for radial sealing
- Color code " black"



BST-CA filter elements are manufactured with fiber media impregnated by activated carbon.

These filter elements operate by means of adsorption physical principle: interaction forces between the active carbon molecules and the contaminants molecules lead to remove the oil vapors and organic particles content in the compressed air and gas.

The pleated filtering media enhances the effective area, lowering the pressure drop and providing a longer service life.

The service life of the filter elements is reduced by the presence of liquids, therefore it must be protected with an high efficiency coalescer with RA grade.

The performance of filter element BST-CA is tested in accordance with ISO 12500-2 by accredited laboratories.

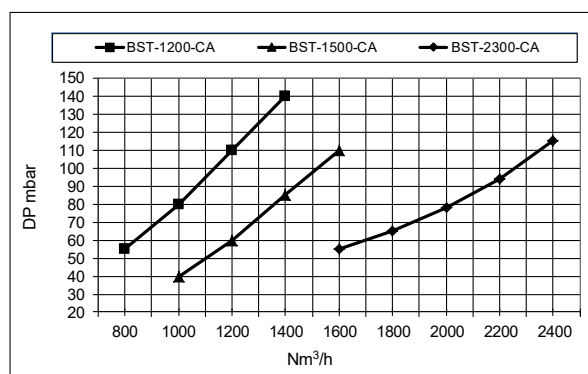
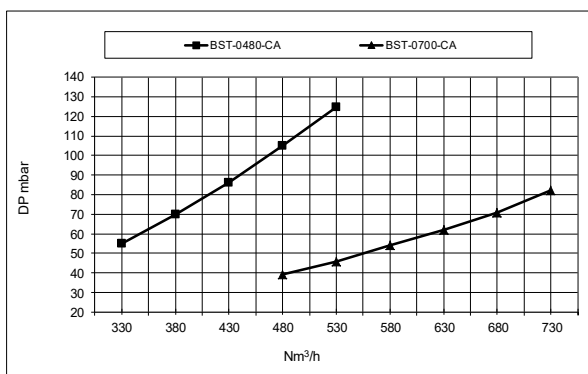
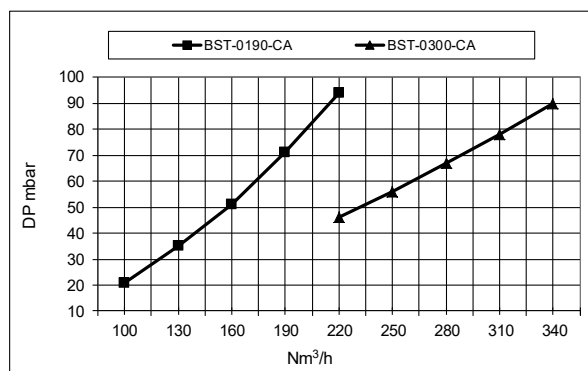
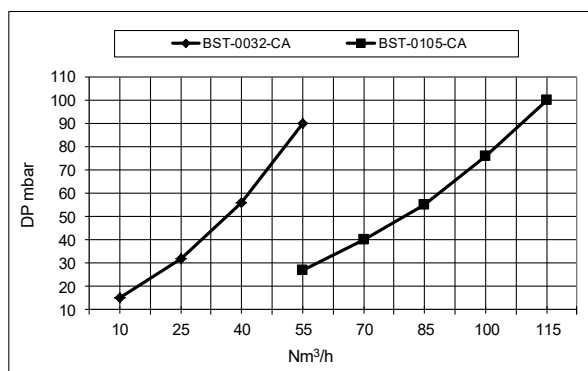
BST-CA filter elements are highly recommended in all applications where oil vapors removal is essential in food, textile and electronic processes.

Characteristics	CA
Max remaining oil content @ 21°C	0,003 mg/m <sup>3</sup> when preceded by RA grade
Air Purity Class ISO 8573-1 oil aerosol vapor	Class 1
Operating temperature range	min. 1°C / max. 50° C
Max. differential pressure	3 bar
Flow direction	Inside / Outside
Media arrangement	Pleated
Filter element replacement	6 months or when activated carbon is saturated
Housing suitable	AIR VIP <sup>Evo</sup> series

### Technical data

Model	Filtering area	Flow rate *		Dimensions mm		Materials
	cm <sup>2</sup>	m <sup>3</sup> /h	l/min	OD	length	
<b>BST-0032-CA</b>	330	32	533	54	69	<b>End caps</b> Tecnopolymer Color code "black" Stainless steel BST 1400 & BST 2200
<b>BST-0105-CA</b>	600	105	1750	54	145	
<b>BST-0190-CA</b>	1200	190	3116	76	162	<b>Metal supports</b> Stainless steel
<b>BST-0300-CA</b>	1600	300	5000	76	218	
<b>BST-0480-CA</b>	2300	480	8000	76	298	<b>Filter media</b> Activated carbon impregnated cellulose
<b>BST-0700-CA</b>	4000	700	11660	94	365	
<b>BST-1200-CA</b>	5200	1200	20000	94	463	<b>Bonding</b> Polyurethane
<b>BST-1400-CA</b>	5300	1400	23333	120	350	
<b>BST-1500-CA</b>	5300	1500	25000	115	363	<b>Gaskets</b> Buna N
<b>BST-2200-CA</b>	10600	2200	36666	120	700	
<b>BST-2300-CA</b>	10000	2200	36666	115	716	

### 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.