

— SINCE 1900 —

JOHN BOUCHARD & SONS CO.

Compressed Air Solutions

24/7 Service • Sales • Rentals

Nashville, TN • Knoxville, TN • Elizabethtown, KY • Evansville, IN
(615) 256-0112 (865) 523-9300 (270) 853-0282 (812) 470-4110

THE JBS WATER SEPARATOR

COMPREHENSIVE RANGE

The JBS Water Separator range reduces the risk of damage caused by moisture and condensate in your system that otherwise could result in contamination to equipment, product spoilage and costly downtime. With 14 different models available and connection sizes ranging from 1/8" to 3" and flows from 6 to 1500 SCFM, this product is suitable for a variety of applications.

ENERGY SAVINGS

Our highly efficient water separator operates with a low differential pressure loss while maintaining excellent liquid removal even at low velocities. Additionally, it does not require any annual replacement parts, making it a cost effective choice. Tested in accordance with ISO 12500-4, it is a reliable and energy efficient solution.



FEATURES AND BENEFITS



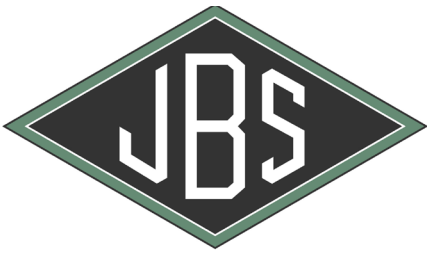
MODULAR DESIGN
allows for maximum
space savings



CENTRIFUGAL MODULE
Even at low velocities removes
up to 99% of bulk water



EXTERNAL DRAIN
makes servicing the
drain quick and easy



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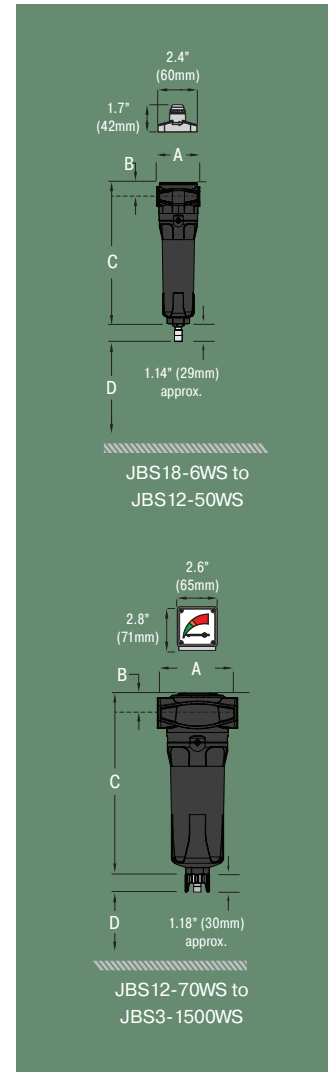
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TECHINCAL SPECIFICATIONS

Filter model	Pipe size inches	Inlet flow rate*		Dimensions inches (mm)				Weight	
		SCFM	Nm ³ /hr	A	B	C	D	lbs	kg
JBS18-6WS	1/8	6	10	1.97 (50)	0.67 (17)	6.18 (157)	2.36 (60)	0.6	0.3
JBS14-15WS	1/4	15	25	1.97 (50)	0.67 (17)	6.18 (157)	2.36 (60)	0.6	0.3
JBS14-25WS	1/4	25	42	2.76 (70)	0.91 (23)	9.09 (231)	2.76 (70)	1.3	0.6
JBS38-32WS	3/8	35	54	2.76 (70)	0.91 (23)	9.09 (231)	2.76 (70)	1.3	0.6
JBS12-50WS	1/2	50	85	2.76 (70)	0.91 (23)	9.09 (231)	2.76 (70)	1.3	0.6
JBS12-70WS	1/2	70	119	5.00 (127)	1.26 (32)	11.22 (285)	3.15 (80)	3.7	1.7
JBS34-125WS	3/4	125	212	5.00 (127)	1.26 (32)	14.57 (370)	3.15 (80)	3.7	1.7
JBS1-175WS	1	175	297	5.00 (127)	1.26 (32)	14.57 (370)	3.15 (80)	3.7	1.7
JBS114-280WS	1 1/4	280	476	5.51 (140)	1.61 (41)	18.74 (476)	3.35 (85)	6.6	3.0
JBS112-320WS	1 1/2	320	544	5.51 (140)	1.61 (41)	18.74 (476)	3.35 (85)	6.6	3.0
JBS112-400WS	1 1/2	400	680	6.69 (170)	2.08 (53)	20.00 (508)	3.94 (100)	10.8	4.9
JBS2-700WS	2	700	1189	6.69 (170)	2.08 (53)	27.87 (708)	3.94 (100)	10.8	4.9
JBS212-850WS	2 1/2	850	1444	8.66 (220)	2.75 (70)	16.54 (420)	3.94 (100)	17.6	8.0
JBS3-1500WS	3	1500	2550	8.66 (220)	2.75 (70)	16.54 (420)	3.94 (100)	17.6	8.0

*Rated flow at 100 psig (7 barg), reference conditions at 14.7 psi(a) (1.014 bar (a)) 68°F (20°C)

Grade	WS	
Minimum recommended operating temperature - automatic drain	34°F	1°C
Maximum recommended operating temperature - automatic drain	176°F	80°C
Maximum working pressure - automatic drain	232 psig	16 barg
Minimum recommended operating temperature - manual drain	34°F	1°C
Maximum recommended operating temperature - manual drain	248°F	120°C
Maximum working pressure - manual drain	300 psig	20.7 barg
Typical pressure loss at rated flow	0.8 psi	55 mbar



TECHNICAL NOTES

- Water Separators are fitted as standard with normally open float operated automatic drain valves, JBSADVS16 on models JBS18-6WS to JBS12-50WS and JBSADVE16 on models JBS12-70WS to JBS3-1500WS. Normally closed operated automatic drain valves (JBSADVS16C) are available for low range flow applications (2.5 SCFM, 4.2 Nm³/hr). 300 psig (20.7 barg) range at 248°F (120°C) is available when supplied with a manual drain valve (JBSMDV25 on models JBS18-6WS to JBS12-50WS and JBSMDVE25 on models JBS12-70WS to JBS3-1500WS). Standard filters can operate at 232 psig (16 barg) at 176°F (80°C).
- Connecting kits are required to connect Water Separators to models JBS18-6WS to JBS3-1500WS.
- Wall mounting brackets are available for all models.
- Standard threaded connections are NPT to ANSI/ASME B1.20.1. RP (BSP Parallel) to ISO 7-1 and RC (BSP Taper) to ISO 7-1 are also available upon request.

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