

# ProAir

## WATER SEPARATORS

### ADVANTAGES :

- 99% efficiency
- Removes rust & Pipeline scale etc.
- Proven Design
- High Efficiency
- Cost Effective
- High Flow Rates
- Practically negligible maintenance
- Very Low Differential Pressure
- Automatic Drain



### SALIENT FEATURES :

- Externally and Internally powder coated for maximum corrosion Protection.
- Lightweight diecast aluminium housings with 10 mm to 80 mm (3/8" to 3" BSPF) end connection.
- Can be available with Autodrain / Manual Drain / Externally

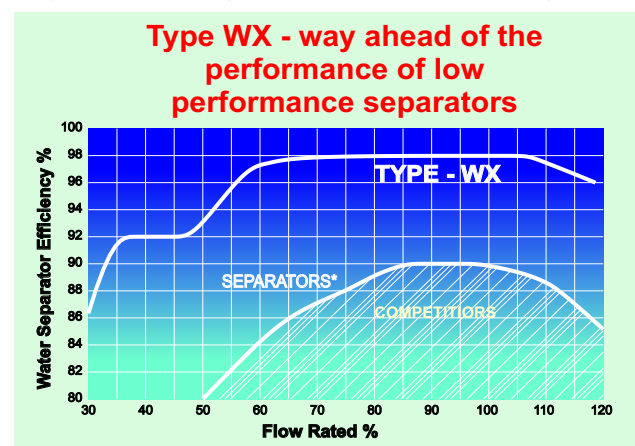
### Removal of excessive contamination from compressed air and gas systems.

Bulk water exists in all compressed air systems causes problems-corrosion of piping, permanent damage to valves, cylinders, pneumatic tools, machinery and reducing the effectiveness of aftercoolers / heat exchangers.

Traditionally, separators have been of low technology design and possess variable operating performance characteristics. Now, we are pleased to introduce a new range of, well proven and tested separators with high efficiency performance characteristic over a wide range of duties. It combines the proven techniques of Centrifugal Action and Impingement Separation principles to remove large quantities of excessive liquid contamination. Over 99% of bulk water can be easily removed.

Typical applications include water separation down stream of aftercoolers and air receivers, in refrigerant dryers and at strategic points in large scale pipework installations and other Liquid/gas Separation duties

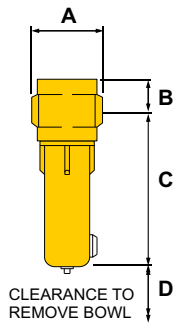
### ProAir water separator has very high efficiency across its flow range.



Where the sheer volume of contamination poses a real problem. For installation where excessive free liquid contamination is a problem, choose **ProAir** - Water Separator.

# TECHNICAL SPECIFICATION

## WX 35 to WX 318



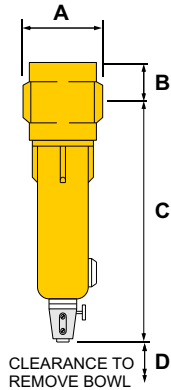
Maximum operating Pressure :  
16 Kg/cm<sup>2</sup>g (232 psig)

Maximum recommended Operating  
Temperature : 65°C (149°F)

Minimum recommended Operating  
Temperature : 3°C (37.4°F)

Typical pressure differential at rated  
flow : 25mbar - 60mbar (0.35 - 0.9 psi)

## WX 742 - WX 1695



MODEL	FLOW RATES @7 Kg./Cm <sup>2</sup> g (100 psig)		PIPE SIZE	DIMENSIONS (MM)				WEIGHT Kgs.
	scfm	Nm <sup>3</sup> /hr		A	B	C	D	
WX 35	40	68.5	10 mm (G <sup>3</sup> / <sub>8</sub> )	77	35	134	75	0.70
WX 85	90	154	15mm (G <sup>1</sup> / <sub>2</sub> )	88.5	41.5	196	135	1.2
WX 127	135	231	20mm (G <sup>3</sup> / <sub>4</sub> )	88.5	41.5	196	135	1.5
WX 159	165	283	25 mm (G1)	90	30	195	135	3.0
WX 318	325	557	40mm (G1 <sup>1</sup> / <sub>2</sub> )	119.5	61	352	275	7.0
WX 742	750	1285	50 mm (G2)	161.5	70	820	630	10.5
WX 1695	1700	2914	80 mm (G3)	200	80.5	842	630	18.5

If in doubt about your requirements, our Technical Sales  
Department will be pleased to offer advice.  
Data referred @ 20°C (68°F).

Pressure	Kg/Cm <sup>2</sup> g	1	2	3	4	5	6	<b>7</b>	8	9	10	11	12	13	14	15	16
	Psig	15	29	44	58	73	87	<b>100</b>	115	131	145	160	174	189	203	218	232
Correction Factor		0.38	0.53	0.65	0.76	0.84	0.92	<b>1.0</b>	1.07	1.20	1.19	1.25	1.31	1.36	1.41	1.46	1.51

## Other ProAir Products

- ❖ High Efficiency Oil / Dust Removal Filters
- ❖ High Pressure Filters
- ❖ Breathing Air Purifiers
- ❖ Vapour/Odour removal adsorbers
- ❖ Refrigerated Air Dryers
- ❖ Electronic Drain Valves

Shah Pneumatics has a continuous policy of product development and although the Company reserves the right to change specifications, it attempts to keep customers informed of any alterations. This publication is for general information only and customers are requested to contact our Sales Department for detailed specifications and advice on a product's suitability for specific applications. All products are sold subject to the Company's standard conditions of sale.

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## Compressed Air Treatment Products

### Shah Pneumatics

Regd. Office : 28-30, Navketan Industrial Estate,  
Mahakali Caves Road, Andheri (East),  
Mumbai - 400 093, INDIA.  
Phone : +91-22-6695 1090 Fax: +91-22-26875317  
E-mail : shahpneu@bom3.vsnl.net.in  
Website : www.shah-pneumatics.com

