

Liquid Separators

For compressed air systems where excessive free liquid and solid contamination is a problem, choose Wilkerson Liquid Separators. Our unique design combines the techniques of centrifugal action and other mechanical separation principles (Impingement, Separation, Laminar Flow and Stokes Law) to remove large quantities of liquid and solid contamination.

Typical applications include water separation downstream of aftercoolers, protection of refrigerant and Twin Tower desiccant dryers, downstream of air receivers and other liquid/gas separation duties where the volume of water and solids poses a real problem.

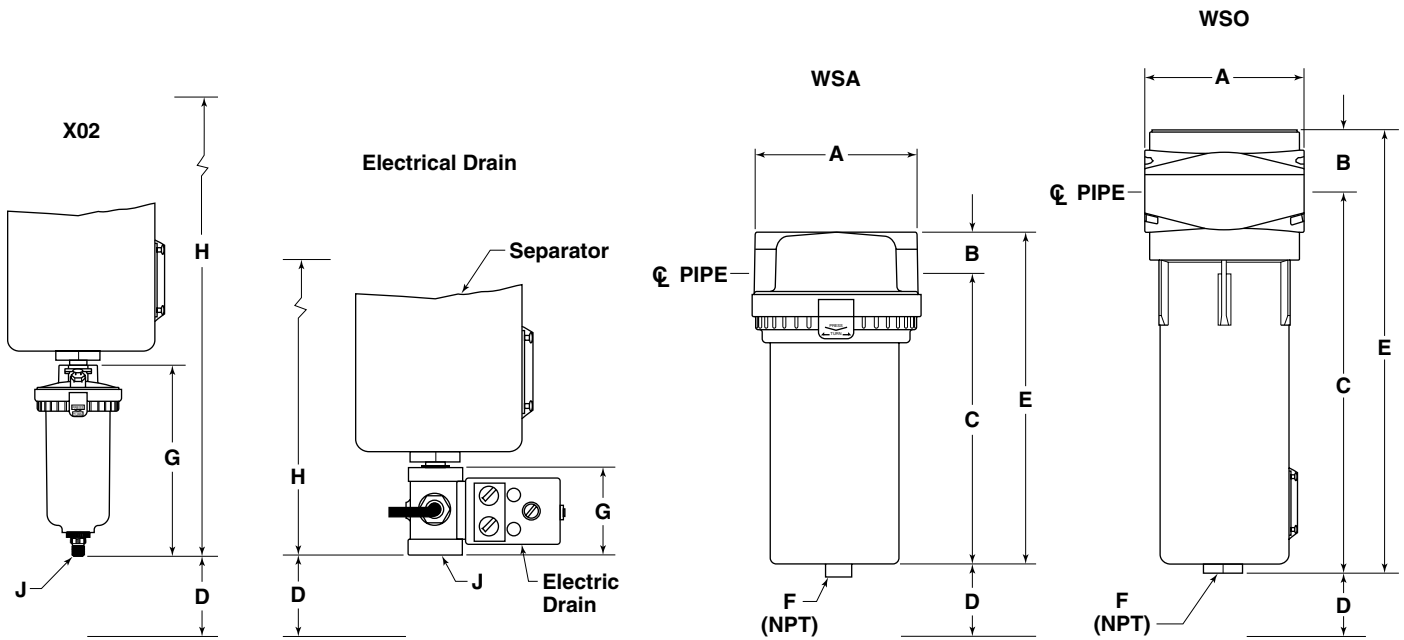


Features

- High flow rates.
- Less than 1 psig differential pressure.
- Lightweight cast aluminum housing with 1" to 3" NPT connections (WSO).
- Cast zinc housings with 1/4" to 1" NPT connections (WSA).
- External surfaces epoxy painted for maximum corrosion protection.
- Ribbed bowl with provision for "C" spanner for easy removal (WSO).
- Standard equipped with quick disconnect bowls for ease of service (WSA).
- Three (3) different optional models of automatic drains available.

Operating Specifications — Separators & Drains

Maximum Operating Pressure 200 psig
Maximum Operating Temperature 150°F
Minimum Operating Temperature 35°F
Pressure Differential at Rated Flow 1.0 psid



D Dimension is Bowl Removal Clearance

Moisture Separators and Drains

Model Number	In/Out NPT Pipe Conn.	Rated Flow (SCFM) @ 100 Psig *	Dimensions (Inches)						NPT	Drain Dimens. (Inches) G	Overall Length (Inches) H	NPT External Drain Dis-Charge Port J	Approx. Weight (Lbs.)	Recommended Automatic Drain
			A	B	C	D	E	F						
WSA-02-M00**	1/4"	25	3.00	.90	5.51	3.5	6.41	1/8"	—	—	—	2.2	Optional	
WSA-02-FM0	1/4"	25	3.00	.90	5.51	3.5	6.41	1/8"	—	—	—	2.2	Internal	
WSA-03-M00**	3/8"	50	3.35	.98	6.36	3.5	7.34	1/8"	—	—	—	2.6	Optional	
WSA-03-FM0	3/8"	50	3.35	.98	6.36	3.5	7.34	1/8"	—	—	—	2.6	Internal	
WSA-04-M00**	1/2"	50	3.35	.98	6.36	3.5	7.34	1/8"	—	—	—	2.6	Optional	
WSA-04-FM0	1/2"	50	3.35	.98	6.36	3.5	7.34	1/8"	—	—	—	2.6	Internal	
WSA-06-M00**	3/4"	100	4.62	1.0	9.00	3.5	10.0	1/8"	—	—	—	6.0	Optional	
WSA-06-FM0	3/4"	100	4.62	1.0	9.00	3.5	10.0	1/8"	—	—	—	6.0	Internal	
WSA-08-M00**	1"	120	4.62	1.0	9.00	3.5	10.0	1/8"	—	—	—	6.0	Optional	
WSA-08-FM0	1"	120	4.62	1.0	9.00	3.5	10.0	1/8"	—	—	—	6.0	Internal	
WSO-08-000	1"	170	4.70	2.3	9.80	3.0	12.1	1/2"	5.90	18.00	1/4"	5.3	X02-04-FM0	
									1.62	13.72	—		WDV3-G	
WSO-0B-000	1 1/2"	400	4.70	2.3	9.80	3.0	12.1	1/2"	5.90	18.00	1/4"	5.3	X02-04-FM0	
									1.62	13.72	—		WDV3-G	
WSO-0C-000	2"	750	6.25	2.6	16.0	3.0	18.6	1/2"	5.90	24.50	1/4"	13.0	X02-04-FM0	
									1.62	20.22	—		WDV3-G	
WSO-0E-000	3"	1700	8.00	3.0	20.0	3.0	23.0	1/2"	5.90	28.90	1/4"	27.0	X02-04-FM0	
									1.62	24.62	—		WDV3-G	

* 1 psid maximum differential; contact Wilkerson for flow at higher psid's.

** Models have petcock.

WILKERSON®

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9CW-UK-209 2/04
Printed in the U.S.A.