AUTOMATIC ELECTRIC CONDENSATE DRAINS

AED-Series

Where are Automatic Drains Used?

Gardner Denver AED Series Automatic Electric Condensate Drains are designed to ensure that manufacturing processes and products do not become contaminated by ensuring that liquid oil and water condensates are discharged from the compressed air stream. Drain installation is typically a part of a complete Gardner Denver air treatment system:

- Separators used on aftercoolers separate a great amount of condensate from the compressed air stream. They are normally integrated into a compressor package or are placed directly at the compressor outlet. These separators require drains which can handle very high volumes of condensate and particulate contamination.
- Receiver tanks utilize automatic drains installed beneath the tank.
- Refrigerated dryers require effective and reliable condensate removal to ensure a stable dew point and avoid liquid reentrainment in the heat exchanger sets.
- Filters utilize automatic drains to dispose of liquid oil and water which has been separated from the air stream by the coalescing filter element.

Automatic Drains Reduce Operating Costs

- Installing AED Series Automatic Electric Condensate Drains has several benefits for every compressed air system
- Eliminates daily man-hours required to walk the factory and manually drain air lines and equipment
- Eliminates daily man-hours required every morning to purge the air lines of condensate before work begins
- Prevents the receiver tank from filling up with condensate and causing the compressor to short cycle
- Saves on wasted compressed air created when valves are cracked open to purge the air lines of condensate
- Ensures timely and effective condensate removal during working hours to protect end products and process from contamination

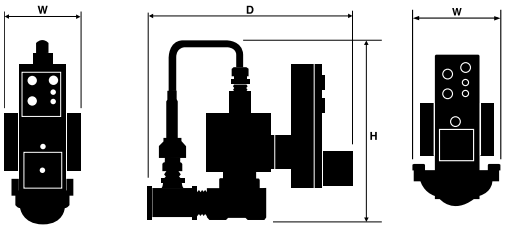
Gardner Denver

Data & Figures

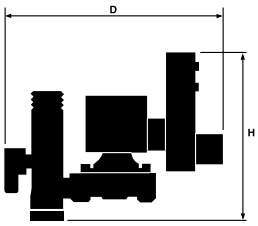
SPECIFICATIONS

MODEL*	MIN./MAX. WORKING PRESSURE PSIG (KGF/CM²)	ELECTRICAL	VALVE TYPE	ORIFICE SIZE IN (MM)	CONN. NPT / BSP	DIMENSIONS IN (MM) H	W	D	WEIGHT LB (KG)
AED21	5/175 (.35/12.3)	115/1/60 or 230/1/50	Direct Acting	.625 (16)	¼"	5.13 (130)	2.25 (57)	7.88 (200)	3 (1)
AED22	5/175 (.35/12.3)		Direct Acting	.625 (16)	⅜"	5.13 (130)	2.25 (57)	7.88 (200)	4 (2)
AED23	5/175 (.35/12.3)	115-60/100-50 or 230-60/200-50 NEMA 4/4x	Internal Pilot Operated Diaphragm	.625 (16)	½"	5.13 (130)	2.25 (57)	7.88 (200)	4 (2)
AED30	5/200 (.35/14)			.625 (16)	½"	5.13 (130)	2.25 (57)	7.88 (200)	4 (2)
AED32	5/300 (.35/21)		Direct Acting	.625 (16)	½"	5.56 (141)	2.25 (57)	7.88 (200)	3 (1)
AED41	5/1500 (.35/105)		External Pilot Operated Diaphragm	.047 (1.20)	¼"	4.38 (111)	1.69 (43)	4.88 (124)	2 (1)
AED50	5/300 (.35/21)			.50 (13)	½"	5.31 (135)	2.00 (51)	5.00 (127)	2 (1)
AED52	5/300 (.35/21)			.50 (13)	½"	6.25 (159)	2.00 (51)	7.00 (178)	3 (1)

*Maximum Operating Temperature is 120° F (49° C)



AED 21, 22, 23, 30, 32, 41



AED 50 & 52

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Please recycle after use.