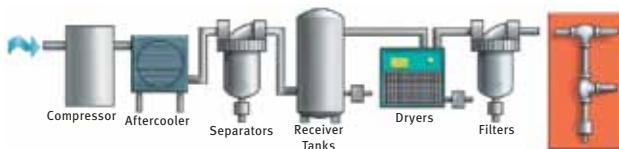


AED Series Automatic Electric Condensate Drains



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

GD
GARDNER DENVER™

Experience Proven Results™

Data & Figures

Specifications

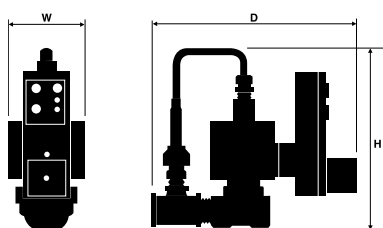
Model*	Min./Max. Working Pressure PSIG (KGF/CM ²)	Electrical	Valve Type	Orifice Size IN (MM)	Conn. NPT / BSP	Dimensions IN (MM)			Weight LB (KG)
						H	W	D	
AED21	5/175 (.35/12.3)	115/1/60 or 230/1/50	Direct Acting	.625 (16)	1/4"	5.13 (130)	2.25 (57)	7.88 (200)	3 (1)
AED22	5/175 (.35/12.3)		Direct Acting	.625 (16)	3/8"	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)	1/2"	5.13 (130)	2.25 (57)	7.88 (200)	4 (2)
AED30	5/200 (.35/14)			.625 (16)	1/2"	5.13 (130)	2.25 (57)	7.88 (200)	4 (2)
AED32	5/300 (.35/21)		Direct Acting	.625 (16)	1/2"	5.56 (141)	2.25 (57)	7.88 (200)	3 (1)
AED41	5/1500 (.35/105)		External Pilot Operated Diaphragm	.047 (1.20)	1/4"	4.38 (111)	1.69 (43)	4.88 (124)	2 (1)
AED50	5/300 (.35/21)			.50 (13)	1/2"	5.31 (135)	2.00 (51)	5.00 (127)	2 (1)
AED52	5/300 (.35/21)			.50 (13)	1/2"	6.25 (159)	2.00 (51)	7.00 (178)	3 (1)

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

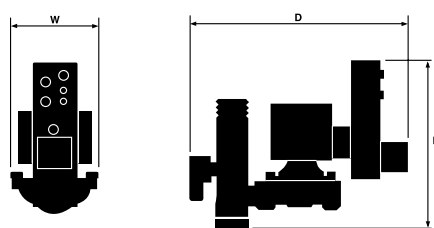
Liquid Discharge Per Operation, Gallons/Liters

Discharge Time in Seconds	Line Pressure When Discharging to Atmosphere Gallons/Liters					
	50 PSIG/3.5 KGF/CM ²	100 PSIG/7 KGF/CM ²	150 PSIG/10.6 KGF/CM ²	200 PSIG/14 KGF/CM ²	250 PSIG/17.6 KGF/CM ²	300 PSIG/21 KGF/CM ²
1	.2 / .8	.3 / 1.2	.4 / 1.5	.45 / 1.7	.5 / 1.9	.6 / 2.1
5	1.1 / 4.2	1.5 / 5.6	1.9 / 7.3	2.2 / 8.5	2.5 / 9.5	2.7 / 10.4
10	2.2 / 8.5	3.2 / 12	3.9 / 14.7	4.5 / 16.9	5 / 19	5.5 / 20.7
15	3.4 / 12.7	4.8 / 18	5.8 / 22	6.7 / 25.4	7.5 / 28.4	8.2 / 31.2

* Applicable to all models except for AED41



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



AED 50 and 52

Models AED21, AED22, AED23, AED30, AED32 AND AED41

- Internal pilot operated diaphragm solenoid valve
- Resistant to large particles
- Standard package with strainer (Models AED21, AED22, AED23, AED30 and AED32)
- Designed for standard system pressures of:
 - Model AED22: 5-175 psi (0.3-12.3 bar)
 - Model AED30: 5-200 psi (0.3-14 bar)
 - Model AED32: 5-300 psi (0.3-21 bar)
 - Model AED41: 5-1500 psi (0.3-103 bar)

Models AED50 and AED52

- External pilot operated diaphragm solenoid valve
- Resistant to large particles 1/2" maximum diameter
- Rugged design able to operate in the most demanding environments
- Designed for system pressures of 5–300 psi (0.3-21 bar)

Gardner Denver®

www.GardnerDenverProducts.com

Gardner Denver, Inc. 1800 Gardner Expressway, Quincy, IL 62305
www.contactgd.com/compressors
866-440-6241

©2014 Gardner Denver, Inc. Printed in U.S.A. GA-AED-102 1st Ed. 4/14

