



Auto Drain Trap



Mellcon Auto Drains are most economical, simple & maintenance free systems. The compressed Air / Gas contains Inherent moisture which will condense in receiver tanks, filters and pipelines, which requires regular draining systems.

Auto Drains are available in two options namely:

- 1) ELECTRONIC TIMER DRAIN.
- 2) LEVEL BASED ZERO LOSS CONDENSATE DRAIN

Electronic Timer Based Auto Drain Traps (Model No: ACDT - 6)

Mellcon Auto Drain Trap Model ACDT - 6 is 2/2 way pilot operated. Fully automatic, Maintenance free, easy to install and suitable to drain condensate from compressed air system like Dryer, Receiver, Moisture Separator etc.

Discharge In Ltrs. v/s Pressure v/s Interval Time

Drain Time 4 Sec.	Discharge Per Day (Approx. in Lits.)						Orifice 12mm
Interval Time in Min.	Approx No. of Operation Per Day						
1	315	500	675	820	950	1010	1270
2	173	275	371	450	522	555	698
4	90	142	192	232	270	286	360
8	36	57	77	93	108	115	144
16	22	35	48	58	67	72	90
32	11	18	24	29	34	36	45
64	5	8	11	14	16	17	21
128	2.7	4.3	5.8	7.1	8.2	8.7	11
Pressure in Kg/Cm2	2	4	6	8	10	12	-----

TECHNICAL SPECIFICATION

MWP	15 Kg/Cm2	Drain Time	4 Sec / Adjustable
Connections	1/2" BSF (F)	Interval Time	1-128 Min. Adjustable
Orifice	12 mm	Supply Voltage	180-260 V AC, 50 Hz
Max. Operating Humidity	up to 100	Enclosure	DP
Mounting	Any Position	Material	Moulded in Impact Resistant ABS
Max. Operating Temp.	70 o C (Maximum)	Finish	Gray
Body Material	Aluminium	Indication	R, Y & B

Electronic Timer Based Auto Drain Traps (Model No: ACDT - 3)

Mellcon Auto Drain Trap Model ACDT - 3 is 2/2 way Direct Acting. Fully automatic, Maintenance free, easy to install and most reliable to drain condensate from compressed air system like Dryer, Receiver, Moisture Separator etc.



Discharge In Ltrs. v/s Pressure v/s Interval Time

Drain Time 4 Sec.	Discharge Per Day (Approx. in Lits.)						Orifice 2.5 mm
Interval Time in Min.	Approx No. of Operation Per Day						
1	220	330	445	508	570	660	1270
2	122	180	245	280	314	363	698
4	63	94	126	144	162	187	360
8	25	38	50	58	65	75	144
16	15	23	31	36	40	47	90
32	8	12	16	19	22	26	45
64	4	6	8	10	11	13	21
128	2	3	4	5	6	7	11
Pressure in Kg/Cm2	2	4	6	8	10	12	-----

32	8	12	15	18	20	24	45
64	4	5.5	7.4	8.4	9.4	11	21
128	2	2.8	3.8	4.1	4.6	5.6	11
Pressure in Kg/Cm2	2	4	6	8	10	12	-----

TECHNICAL SPECIFICATION

MWP	16 Kg/Cm2	Drain Time	4 Sec / Adjustable
Connections	1/2" BSF (F)	Interval Time	1-128 Min. Adjustable
Orifice	2.5 mm - 5.00 mm	Supply Voltage	180-260 V AC, 50 Hz
Max .Operating Humidity	up to 100	Enclosure	DP
Mounting	Any Position	Material	Moulded in Impact Resistant ABS
Max. Operating Temp.	70 o C (Maximum)	Finish	Gray
Body Material	Aluminium	Indication	R, Y & B

TECHNICAL SPECIFICATION

Mellcon Level Based Auto Drain Traps have an electrical level sensing capability which only discharge when condensate is present, Thus preventing unnecessary loss of valuable compressed air. This intelligent sensing system operates with oil and water. The unique fault diagnostic feature gives indication if valve is clogged, coil burnt, loose supply connection or electronic unit is faulty with facility to reset, after the fault is cleared.

Features

- Fully Automatic.
- Designed to complement all compressed air system including compressors, filters, water separators, dryers, coolers and air receivers.
- Easy mounting and installation.
- Zero air loss, Zero energy loss, Less maintenance.
- 5 MM Orifice.
- MWP 15 Kg/Cm2.
- ACDT- 6 has 6 MM Orifice.
- Manual Test Switch.
- Indication for Valve Healthiness.
- Easy to Replace.
- Glass Filled Nylon Coil Former.
- "O" Ring Seal On Cycle Adjustment Pots to Ensure Weather Proof Sealing.
- Small Compact Resistant ABS Timer.
- No Tool required to Replace Timer.



Optional

FINE FILTER

To ensure a continuous filtration of condensate. The fine filter stops the flow of particulates, for example rust particles, strands of hemp or oily mud etc. Sediment collected at bottom of the filter bowl can simply be removed by flushing with the flick of a finger.

SPECIFICATION

Supply Voltage	240 VAC (180-260 VAC), 50 Hz (Other on request)
Operating Temperature	70 o C (Maximum)
Enclosure Housing	High Impact ABS dark gray Ip 65. Operating Temp:- 20o C to 100o C
Connection	DIN 43650 A With Power Indication
Indication	Led (Red) - Power On Led (Yellow) - "ON" if fault occurs Led (Green) - "ON" During Drain Cycle
Test Switch	For Manual Test Drain
Reset Switch	To Reset valve after clearing of fault.

OUR PRODUCT RANGES

Air / Gas Dryers	Refrigerated Equipments	Other Products
Heatless Compressed Air Dryer	Air Cooled Water Chillers	Hot Air Blowing Equipment / Air Heaters
Refrigerated Air Dryer	Water Cooled Chillers	Solvent / Liquid Dryer
High Pressure Air/Gas Dryer	Screw Chillers / Chilling Plants	
Blower Heat Regenerated Air Dryer (BHR)	Walk in Coolers / Cold Rooms Units	
Internal Heater Dryer (IHR)	Refrigerant Recovery System	
Heat of Compression Air Dryer (HOC)		Onsite Gas Generators
Split Flow-No Purge Loss Air Dryer (SFNL)	Storage Systems	PSA Nitrogen Gas Generator
Custom Made Air Dryer	Liquid CO2 Storage Tanks	PSA Oxygen Gas Generator
Packaged Mobile Dry Air Plant	LPG Storage Systems	
Pressure Regulating Stations ^{NEW}	CO2 Recovery Plant ^{NEW}	Spare Parts
Hydrogen Gas Dryer ^{NEW}	CO2 Vaporiser ^{NEW}	Spare part for Air Dryer
Instrument Air Quality Standard ^{NEW}		Air Receiver Tank For Compressed Air
		Auto Drain Trap
		Dew Point Apparatus
		Spare Parts for PSA Nitrogen Gas Generator

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