

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

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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. | | | | | | | Orifice 12mm |
| Interval Time in Min. | Discharge Per Day (Approx. in Lits.) | | | | | | 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/Cm ² | 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 °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. | | | | | | | Orifice 2.5 mm |
| Interval Time in Min. | Discharge Per Day (Approx. in Lits.) | | | | | | 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 | 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/Cm ² | 2 | 4 | 6 | 8 | 10 | 12 | ----- |
|--------------------------------|---|---|---|---|----|----|-------|

| TECHNICAL SPECIFICATION | | | |
|-------------------------|-----------------------|----------------|---------------------------------|
| MWP | 16 Kg/Cm ² | 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 ° 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

1. Fully Automatic.
2. Designed to complement all compressed air system including compressors, filters, water separators, dryers, coolers and air receivers.
3. Easy mounting and installation.
4. Zero air loss, Zero energy loss, Less maintenance.
5. 5 MM Orifice.
6. MWP 15 Kg/Cm².
7. ACDT- 6 has 6 MM Orifice.
8. Manual Test Switch.
9. Indication for Valve Healthiness.
10. Easy to Replace.
11. Glass Filled Nylon Coil Former.
12. "O" Ring Seal On Cycle Adjustment Pots to Ensure Weather Proof Sealing.
13. Small Compact Resistant ABS Timer.
14. 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 ° C (Maximum) |
| Enclosure Housing | High Impact ABS dark gray Ip 65. Operating Temp:- 20° C to 100° 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. |

Contact For Spare-Parts

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