

LiquiPro

condensate drains



pure energy



The condensate, oil and other impurities present in the compressed air system can have extremely adverse consequences if not properly removed. These impurities are separated out of the compressed air at various points along the network; the condensate drain has the task of removing them from the network, to ensure quality treatment of your compressed air.

MTA offers a full range of drains to meet all needs and installation conditions, including electronic zero-loss, mechanical zero-loss and timed drains. MTA drains have been designed for operation with all condensates, containing all oils and impurities. 50 and 60Hz versions are offered, with BSP or NPT connections. Careful material selection and advanced design solutions ensure your MTA condensate drain will provide years of fault-free operation in even the harshest conditions.



Cooling, conditioning, purifying.

MECHANICAL ZERO-LOSS DRAINS

- Energy saving: no compressed air losses.
- Easy to install: does not require any electrical power.
- No start-up or seasonal programming required.
- Special valve design prevents solid particles from blocking the outlet orifice.
- Robust aluminium housing with stainless steel float & lever.
- Operates up to 20bar and 65°C.
- Complete with manual drain and equalization connection.
- Optional internal equalization tube allows connection straight to filter housings.

TIMED DRAINS

- Robust brass housing.
- Very compact configuration.
- Large drain orifice leads to high reliability with reduced risk of blockages.
- Complete with drain test button and shut-off valve.
- Stainless steel strainer prevents blockages.
- IP65 protection rating.

ELECTRONIC ZERO-LOSS DRAINS

- Energy saving: no compressed air losses.
- Capacitive sensor for high reliability and accurate control.
- No start-up or seasonal programming required.
- High reliability non-wearing design.
- Large section drainage orifice prevents blockages.
- Alarm function warns against drain errors.
- Drain on, drain valve open and alarm LEDs.
- Drain test button.
- Operates up to 20bar (CDE1610 = 16bar).
- Turnable inlet connection (CDE1610).
- Robust aluminium housing (CDE2050).
- Easily accessible stainless steel filter (CDE2050).
- Optional heating element (CDE2050).
- Alarm volt free contact (CDE2050).

OTHER DRAINS

- High pressure (40-50bar) versions (mechanical zero-loss, electronic zero-loss, timed).
- Manual drains.
- Mechanical zero-loss drains for fitting inside filter housings.



Mechanical zero-loss drains



Electronic zero-loss drains



Timed drains



High pressure drains



| Model | Airflow | | Connections | | Max Pressure bar(g) | Power supply * |
|---|-------------------|---------------------|-------------|---------|------------------------|-----------------------|
| | m ³ /h | m ³ /min | in | out | | |
| MECHANICAL ZERO-LOSS DRAINS (for fitting inside filter housings) | | | | | | |
| VA | / | / | 1/2" | / | 16 | / |
| MECHANICAL ZERO-LOSS DRAINS | | | | | | |
| CDF 2050 | 17.400 | 290 | 1/2"BSP | 3/8"F | 20 | / |
| SCM 40 | 90.000 | 1.500 | 1"BSP | 1/2"BSP | 40 | / |
| TIMED DRAINS | | | | | | |
| SCE (16bar) | 19.200 | 320 | 1/2BSP | 1/8"BSP | 16 | 230-115-24V/1/50-60Hz |
| SCE (50bar) | 99.000 | 1.650 | 1/2BSP | 1/8"BSP | 50 | 230-115-24V/1/50-60Hz |
| ELECTRONIC ZERO-LOSS DRAINS | | | | | | |
| CDE1610 | 480 | 8 | 1/2BSP | 1/4"BSP | 16 | 230-115-24V/1/50-60Hz |
| CDE2050 | 4.500 | 75 | 1/2BSP | 1/4"BSP | 20 | 230-115-24V/1/50-60Hz |
| MANUAL DRAINS | | | | | | |
| VM | / | / | 1/2" | / | 16 | / |

Airflow refers to installation after a refrigeration dryer with 35°C inlet temperature, 7 bar(g) pressure (50 bar(g) for SCE/50 bar - 40 bar(g) for SCM40) and 3°C pressure dew point. For Installation on aftercoolers divide the airflow capacity by 2, for installation on filters multiply the airflow capacity by 3.

(*) specify requested voltage when ordering.

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M.T.A. is ISO9001:2000 certified, a sign of its commitment to complete customer satisfaction.



M.T.A. products comply with European safety directives, as recognised by the CE symbol.



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