LiquiPro

Condensate drains

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 60 Hz 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.

MTA®

Cooling, conditioning, purifying.

CDF: 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 20 barg and 65 °C.
- Complete with manual drain and equalization connection.
- Optional internal equalization tube allows connection straight to filter housings.

SCE: 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.

CE: 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.
- Robust plastic and aluminium housing.
- Large section drainage orifice prevents blockages.
- Alarm function warns against drains errors.
- New direct acting self cleaning solenoid valve not affected by debris in the condensate (1618).
- Drain alarm and drain valve open (2050) LEDS.
- Alarm volt free contact.
- Drain test button.
- Operates up to 16 barg (1618-1658), 20 barg (2050).
- Easily accessible internal stainless steel filter.
- Optional heating element (1624-2050).

Other drains

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

CDF: Mechanical zero-loss drains

CE: Electronic zero-loss drains

SCE: Timed drains

SCM40: High pressure drains

Model	Nominal air flow (*)		Connections		Max Pressure	Power supply (**)
	m^3/min	m^3/h	in	out	bar(g)	
MECHANICAL ZERO-LOSS DRAINS (FOR FITING INSIDE FILTER HOUSINGS)						
VA	/	/	1/2"	/	16	/
MECHANICAL ZERO-LOSS DRAINS						
CDF 2050	290	17.400	1/2" BSP	3/8" F	20	/
SCM 40	1.500	90.000	1" BSP	1/2" BSP	40	/
TIMED DRAINS						
SCE (16bar)	320	17.400	1/2" BSP	1/8" BSP	16	230-115-24V/1/50-60Hz
SCE (50bar)	1.650	90.000	1/2" BSP	1/8" BSP	50	230-115-24V/1/50-60Hz
ELECTRONIC ZERO-LOSS DRAINS						
CE1618	18,6	1114	1/2" BSP	ø = 8 mm	16	230-115/1/50-60Hz
CE1624	23,2	1392	1/2" BSP	1/8" BSP	16	230-115/1/50-60Hz
CE1658	58,8	3528	1/2" BSP	1/8" BSP	16	230-115/1/50-60Hz
CDE2050	75	4.500	1/2" BSP	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 temerature, 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.

ISO 9001 BUREAU VERITAS Certification
MTA is ISO9001 certified, a sign of its commitment to complete customer satisfaction.

MTA products comply with European safety directives, as recognised by the CE symbol.

EAC Declaration

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