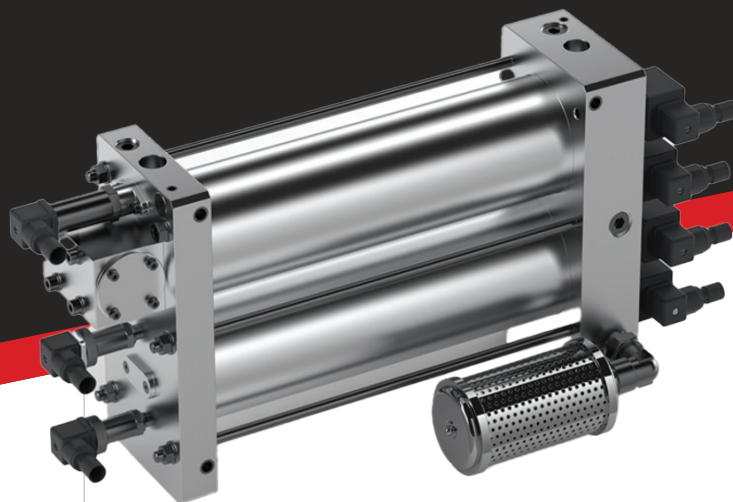




# MISTRAL EVO

*Lowest air dryer LCC on the market*



**Mistral Evo is Wabtec latest generation of air dryer for all market segments, and all type of applications.**

Mistral Evo air dryer range features 3 different sizes S, M & L, upon air quality requested and air flow. It is made of two towers containing innovative desiccant material, two inlet and outlet plates, fitted with control valves, sensors & transducers, and a silencer. It also features an electronic controller & wiring harness to connect the dryer to AGTU or vehicle interface.

Mistral EVO features innovative desiccant material which requires replacement every 16 years (once in 30 years train life). The air dryer MTBO has been extended up to 16 years to align with Buran CSS reciprocating oil free compressor (one Mistral Evo overhaul every other compressor overhaul).

Mistral EVO can be offered either with simple electronic controller performing the drying tower operation control and basic health / diagnostic conditions, or with advanced controller with Ethernet communication capability. The latest coupled with CBM sensors can provide full conditions status (pressure drop, dew point, air temperature).

## KEY CUSTOMER BENEFITS

16 years desiccant life (one replacement at train mid-life)

16 years air dryer MTBO

Full range coverage, up to 2600 l/min

Air quality up to x-2-x per ISO 8573-1 or x-2-x per ISO 4975

Flexible installation, vertical or horizontal  
CBM ready

## KEY FEATURES

Operating conditions: -40°C up to +50°C, optional +55°C

Altitude class EN 50125-1:  
AX: X = 2000 m

IP 65

Boost mode available (regeneration flow temporarily inhibited)

Electronic controller as per EN 50155

Low voltage 24, 72 or 110V per EN 50155,

Shock & vibration as per EN61373 cat 1B

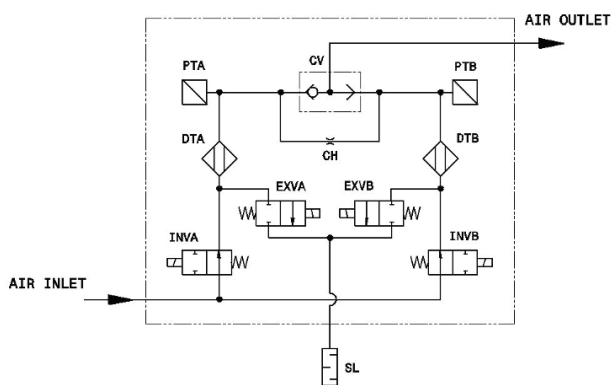
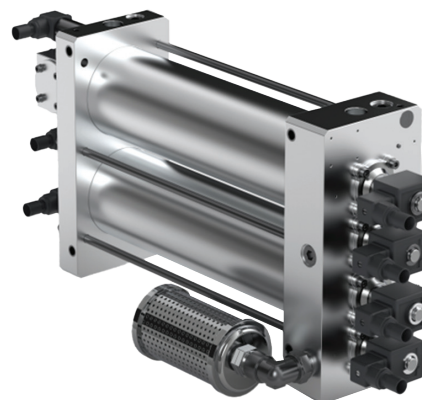
Fire & smoke compliant with EN45545 (level HL3)

Compliant with 2014/68/EU Directive regulation.

Air quality & FAD as per table below:

## AIR QUALITY & FREE AIR DELIVERY

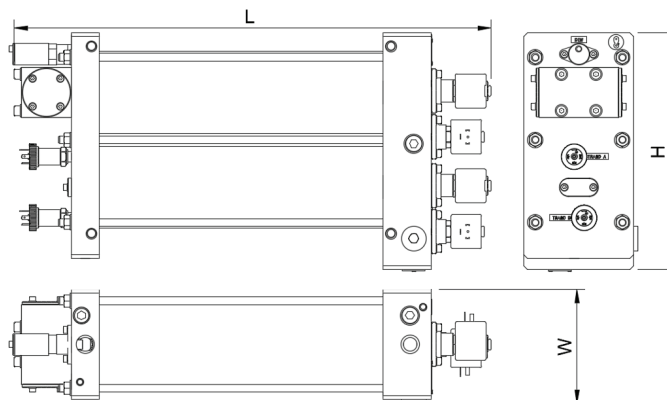
SIZE	AIR QUALITY CLASS [ACCORDING WITH ISO8573-1]	SUGGESTED AIR FLOW TREATED [L/MIN]
S	2	250-900
S	3	250-1125
M	2	850-2025
M	3	850-2300
L	2	2000-2600
L	3	2000-2600



FT	LEGEND
INVA	INLET VALVE TOWER "A"
INVB	INLET VALVE TOWER "B"
EXVA	EXHAUST VALVE TOWER "A"
EXVB	EXHAUST VALVE TOWER "B"
SL	EXHAUST SILENCER
DTA	DRYER TOWER "A"
DTB	DRYER TOWER "B"
PTA	PRESSURE TRANSDUCER TOWER "A"
PTB	PRESSURE TRANSDUCER TOWER "B"
CO	CALIBRATED ORIFICE
CV	CHECK VALVE

## DIMENSIONS & WEIGHT

SIZE	L [mm]	W [mm]	H [mm]	H [kg]
S	627	150	310	23
M	827	150	310	27
L	863	150	310	34



## CONTACT

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