

The Next Generation

UFM-T 05 standard/superplus

Zero-loss condensate drain for compressed air:

Condensate drains seem to be insignificant, but they are crucial components in the compressed air network: their function is to drain off condensate, that has been collected in vessels, pipes, filters and dryers. It is important to secure that only the condensate drains off, without loss of compressed air, otherwise the costs for compressed air is unnecessarily increased. Already in 1996 Donaldson introduced an electronically level controlled condensate drain (UFM-T1) to set a new criteria with regard to efficiency and durability. In the mean time a complete line of products (UFM-T1/10/20/100 and 20 HP) has been based on the UFM-T1 of which several hundredthousand units are currently in operation.

The current successful models are now being complemented with a new model UFM-T05 standard and superplus-version. The UFM-T05 is characterized by the following benefits:

It contains a very sophisticated electronic control which accepts world wide voltage supply ranges with any voltage between 24 V DC and 230 V AC.

Other benefits are less emulsification of the condensate, draining without any air-loss, easy reading of the function and the service-LED and a fast and simple installation through trick-pure connection.

The UFM-T 05 "superplus" differentiates itself from the existing models amongst others because of the programming ability and intelligence. To secure optimal functionality as well as performance the level sensors can individually be calibrated on site. The T-05 reacts with automatic malfunction routines and a potential-free alarm contact for remote control.



By using a programming unit the Donaldson-service can adopt this value in the drain even after installation. The UFM-T 05 "superplus" now provides "A-class" functions that up to now have only been reserved for the large Donaldson drains.

Even though there has been an increase in functions to the new drain it is more compact than the UFM-T1. As additional innovation the drain has external plugs for simple connection to the power supply (universal 24 V - 230 VDC respectively 80 V - 230 VAC; 50/ 60 Hz) and a higher control system (Ultraconnect) as well as an additional LED display of the operational conditions.

The UFM T-05 is suitable for a compressor capacity up to 5m³/min [2,95 cfm/min], which is approximately equivalent to a 30 kW [40 HP] compressor. The condensate capacity for continual operation amounts to approx. 2,2 l/h [0,58 gal/h]. During a short occurrence of a condensate flush a maximum of 6 litres per 10 minutes [1,58 gal/10 min] can be drained.

For large condensate quantities (up to 42 l/h [11,1 gal/h] in continual operation, respectively 100 litres per 10 minutes [26,4 gal/10 min] during a condensate flush) the models UFM T10 to UFM-T100 are available. Shortly after introducing the UFM-T05 into the market the other models will be made available with this new innovative technology too. Versions for higher pressure ranges (max. 42 bar [609,1 psi]) and models with integrated heating for frost risk areas are also part of our supply program.

For technical details see the rear side of this flyer please!

standard / superplus	
Features:	Benefits:
Zero-loss	No expensive air-losses, silent operation, less emulsification of the condensate
Aluminium parts coated, diaphragm and O-rings from VITON	Suitable for the aggressive condensate of oil-free compressors
Voltage range from 24 to 230 V	Universal use world-wide
Sloped display and cable at the backside of the unit	Easy reading of function LED and easy use of the manual purge button even if the drain is installed above eye-level
Sensors without moving parts	Safe function without sticking or blocking of the drain
Condensate inlet vertically and horizontally by movable connection kit	Quick and easy installation to different pipings
Additionally features superplus	
Electronic control	Automatic malfunction routines, continuous control of operation, potential-free alarm contact for remote control Specific data-adjustment with the optional available programmer

Materials:	
Centre part and top thread	Aluminium, coated thread
Parts under pressure	50% glass fibre re-inforced PA
Diaphragm and O-rings	VITON

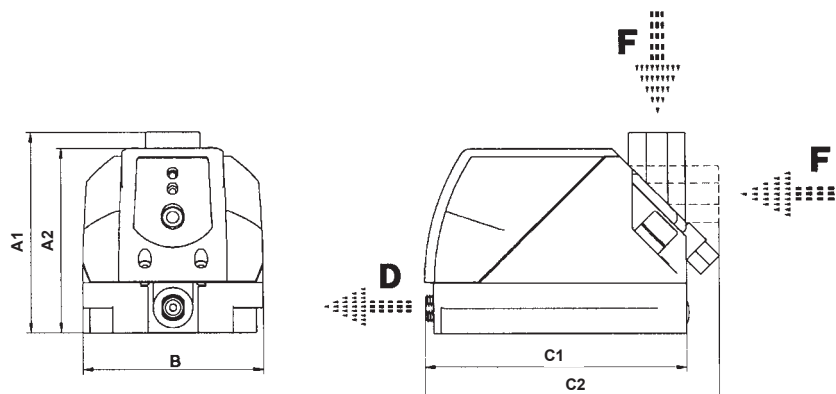
Temperature range:
+1°C bis +60°C (+33,8F / +140°F)

Option (superplus):	
Programmer	
Art.-no.	301305

Service parts:	
Set: O-rings, diaphragm, springs, anchor plate	
Art.-no.	302140

Power supply	Alarm contact	Protection	Power consumption	
24 V _{DC} - 230 V _{AC}	300 V _{AC/DC} 0,092 A	IP 65	5 W	
Pressure range bar (psi)	Capacities* Nm ³ / min (cfm)			
	Compressor ¹⁾		Dryer	Filter
0.8 - 17.2 (12-250)	5 (177 cfm)	30 kW (40 HP)	10 (354)	50 (1767)

Nominal capacities are related to moderate climate for example: Inlet conditions: 1 bar a; 20°C, 70% r.H.
Inlet conditions: 7 bar g; 35°C, 100% r.H.



	Weight* kg (lbs)	A1/A2 mm (inch)	B mm (inch)	C1/C2 mm (inch)	øD	F
UFM-T 05	0,7 (1,54)	100 / 92 (3,94 / 3,62)	90 (3.54)	130 / 145 (5,12 / 5,71)	G 1/4" male	G 1/2" female



Technical alterations reserved (Date 04/03/09)