

Condensate Drains

530 | X-DRAIN SERIES

BENEFITS AND FEATURES

Timer Drains

- Completely automatic:
 - No operator attention, minimal routine servicing
- Easy installation
- Reliable operation:
 - Weather- and dustproof enclosure
 - Compatible with all major compressor lubricants
- Broad application range:
 - High-capacity discharge



Technical Data	530-D-2/D-3	530-2-IT/ 3-IT
Power connection	230VAC	(115VDC)
IP rating	IP 65	
Interval time	0.5 – 45 min, adjustable	
Discharge time	0.5 – 10 sec., adjustable	
Valve	4.5 mm	

General Data	
Max. operating pressure	16 bar
Max. ambient temperature	50°C

BENEFITS AND FEATURES

Electronic Level Controlled Drains X-Drain

- High operational safety:
 - No contamination and blockage of the drain
 - Alarm in case of malfunction, simple functional test
 - Resistance against all standard compressor oil types
 - Automatic drain function
- High economical efficiency:
 - No loss of compressed air
 - Low installation and maintenance/service work
 - Low acquisition cost
 - Cast moulded and anodized housing design
 - Built-in strainer prevents valve blockage and damage

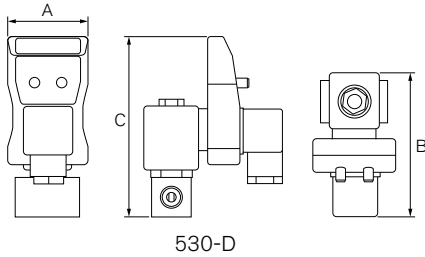


Technical Data	SXD-1 – 300
Voltage	90 – 250V AC, 50 – 60 Hz
IP rating	IP 54

General Data	SXD-1 – 300
Housing	Aluminium, hard-coated
Min./max. operating pressure	0.8 – 16 bar
Condensate	Oil-contaminated + oil-free
Min./max. ambient temperature	+1 °C – +80 °C

Model	Connection	Dimensions			Weight	el. Connection
		A	B	C		
		mm			kg	
530-D-2	3/8"	50	86	113	0,6	230 VAC
530-2-IT						115 VDC
530-D-3	1/2"					230 VAC
530-3-IT						115 VDC
530-D-Timer	-	-	-	-	-	24 – 240 VAC/DC

Options on request · Technical data and specification are subject to change without prior notice



530-D

Model	Flow rate (max.)			Connections		Dimensions			Weight	el. Connection
	Compressor Capacity	Refrigeration dryer*1	Filter-down-stream *2	Inlet	Outlet	A	B	C		
	m³/h	m³/h	m³/h			mm			kg	V/Ph/Hz
SXD-1	288	630	2,880	2 x 1/2"	1 x 1/2"	60	146	152	1.10	
SXD-3	840	1,710	8,400			80	157	182	1.45	
SXD-10	2,880	5,850	28,800	3 x 3/4"		110	179	196	2.10	90-250/-/
SXD-30	8,400	17,100	84,000	1 x 1" & 2 x 3/4"	160	217	210	2.4	50-60	
SXD-100	28,800	58,500	288,000		160	267	235	4.10		
SXD-300	87,000	166,500	864,000		323	235	6.50			

*1 Referred to 1 bar(a) and 20°C at 7 bar working pressure, compressor inlet 25°C at 60% R.H., compressor discharge temperature 35°C, refrigeration dryer dew-point 3°C

*2 Condensate produced in aftercooler and/or refrigeration dryer already removed - only rest oil contents and/or small condensate quantities (Max. flow rate in reference to ambient conditions of Middle and Southern Europe, at 7 bar g operating pressure)

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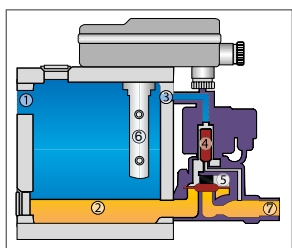
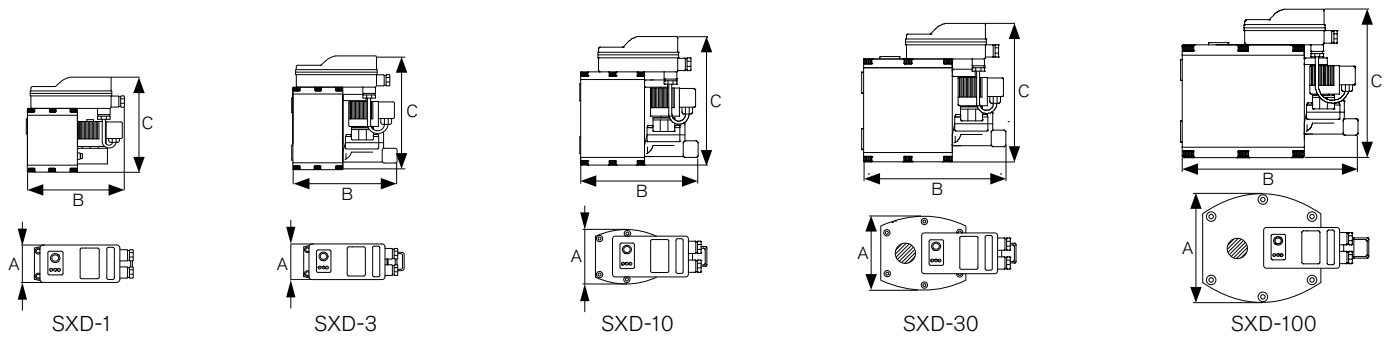


Figure 1: Condensate flowing in through inlet port (1) is collected in the reservoir (2). System air pressure passes through the pilot supply line (3) into the area above the valve membrane (5). Because of the pressure on the membrane, the solenoid valve (4) remains closed, avoiding any compressed air loss.

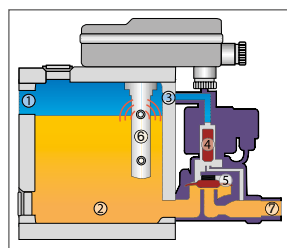


Figure 2: When the level of condensate in the reservoir rises to its maximum level, this activates a capacitive sensor (6). The pilot supply line is then closed by the solenoid valve (4). The pressure above the diaphragm is reduced and the membrane lifts off the valve seat and the condensate flows out through the drain outlet (7).



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