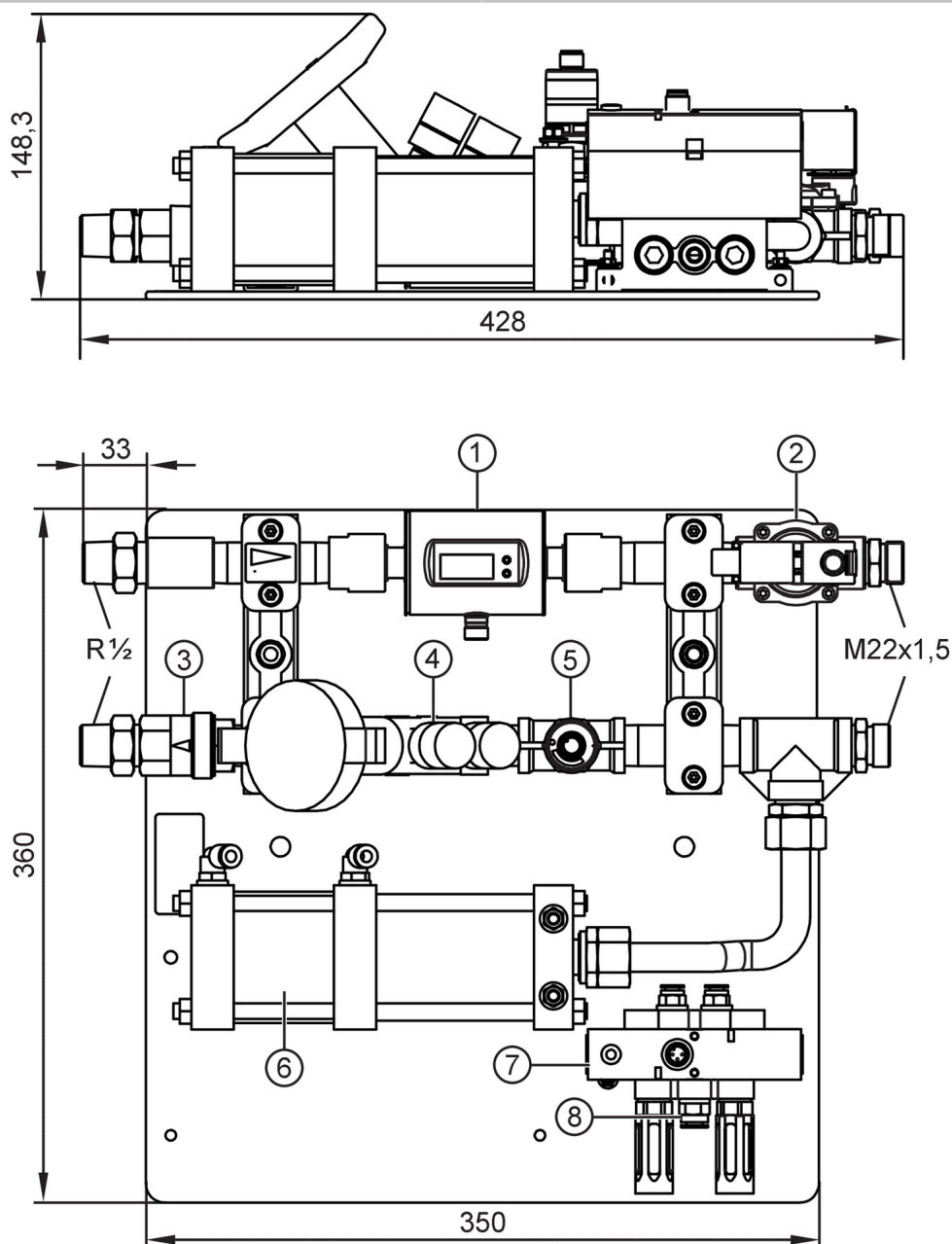


Weld water cooling water flow loops

SUCTION SYSTEM FOR COOLING WATER



- 1 Magnetic-inductive flow meter
- 2 water stop valve
- 3 backstop
- 4 regulating valve
- 5 Electronic pressure monitor PK6524
- 6 Expansion cylinder
- 7 5/2-way valve
- 8 tube connection Ø 8 mm



Product characteristics

Process connection for welding gun

Process connection

threaded connection M22 x 1,5 external thread

Process connection for water supply

Process connection

threaded connection R 1/2 external thread



Weld water cooling water flow loops

SUCTION SYSTEM FOR COOLING WATER

Flow monitoring		
Measuring range	[l/min]	0.1...25
Application		
Special feature	gold-plated contacts	
Application	Industrial applications; Cooling water control; Cooling water extraction	
Installation	connection to pipe by means of an adapter; tube connection	
Measuring parameters	flow; temperature; pressure; totalizer	
Control	manual	
Media	Conductive liquids; water-based media; glycol solutions	
Medium temperature	[°C]	-10...70
Pressure rating	10 bar	1 MPa
Volume expansion cylinder	[ml]	99.75
Components	Magnetic-inductive flow meter, SM6000	
	Electronic pressure monitor, PK6524	
	water stop valve	
	regulating valve	
	backstop	
	Expansion cylinder	
5/2-way valve		
Outputs		
Output signal	switching signal; analog signal; pulse signal; IO-Link	
Output function	normally open / closed; (configurable)	
Measuring/setting range		
Pressure monitoring		
Measuring range	[bar]	0...10
Flow monitoring		
Measuring range	[l/min]	0.1...25
Temperature monitoring		
Measuring range	[°C]	-20...80
Reaction times		
Risk time (response time for safety-related faults)	[ms]	500
Operating conditions		
Ambient temperature	[°C]	-10...50
Storage temperature	[°C]	-25...80
Protection	IP 67; (sensors)	
Tests / approvals		
EMC	DIN EN 61000-6-2	
	DIN EN 61000-6-3	
Pressure equipment directive	sound engineering practice; can be used for group 2 fluids; group 1 fluids on request	
Mechanical data		
Weight	[g]	8702.8
Type of mounting	with mounting plate	
Material	stainless steel (1.4404 / 316L); PBT-GF20; PC; FKM; TPE; PBT; bronze (2.1096.01)	

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Weld water cooling water flow loops

SUCTION SYSTEM FOR COOLING WATER

Materials (wetted parts)	stainless steel (1.4404 / 316L); PEEK; FKM; NBR; PVDF; PTFE
Process connection for welding gun	
Process connection	threaded connection M22 x 1,5 external thread
Process connection for water supply	
Process connection	threaded connection R 1/2 external thread
Remarks	
Pack quantity	1 pcs.
Electrical connection	
Connector: 4 x M12; Contacts: gold-plated	