

flow switch for liquid media



flow-captor 412x.8xM S141

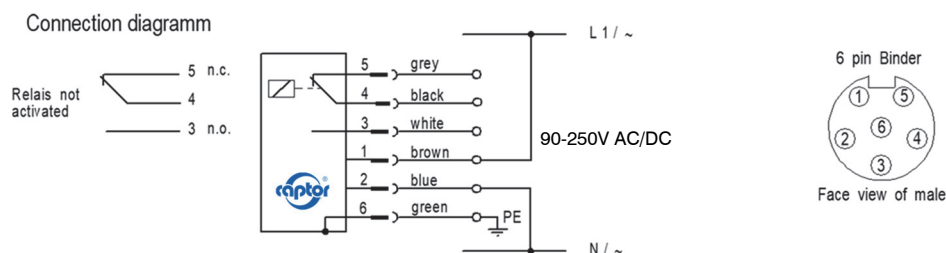
The **flow-captor** type 412x.8xM S141 is a family of compact, precise metering flow switches with analog display in a rugged stainless steel housing. They operate based on the calorimetric principle. The flow-captor allows to set an exact flow set-point and will measure simultaneously the flow rate up to the lowest flow conditions.



- precise switching flow monitor for water or oil based solutions **up to 100 bar**
- high accuracy also under low flow conditions
- separate adjustment for „range“ and „set-point“
- analog display of actual flow rate and display of adjusted set-point value
- LED display for output status
- **ISO 9001:2015**

Technical Data		
Typ	4120.8xM S141	4121.8xM S141
Medium	water-based	oil-based
Sensor Data *1		
Measuring range	0 - 20 cm/s to 0 - 300 cm/s, infinitely variable	0 - 30 cm/s to 0 - 300 cm/s, infinitely variable
Set-point range	approx. 15 % - 90 % of measuring range setting	
Medium temperature	- 20 °C to + 80 °C	
Ambient temperature	- 20 °C to + 70 °C	
Pressure	max. 100 bar (1000 Kpa)	
Response time	2 sec. - 10 sec., according to range setting	2 sec. - 15 sec., according to range setting
Linearity deviation	< 5 % ¹⁾	< 5 % ²⁾
Repeatability	< 2 %	
Hysteresis	approx. 10%	
Mechanical Data		
Protection class	IP67	
Material housing	stainless steel AISI 303	
Material of sensor probe	stainless steel AISI 303 , AISI 316, Titanium or Hastelloy C4/C22 on request	
Thread	G 1/2" BSP alt. 1/2" 14 - NPT	
Housing dimensions ODxH	OD 66 X H 109/69	
Electrical connection	Binder male socket, 6-pin (order cable type 4923 /2 m separately)	
Electrical Data		
Operating voltage	90 - 250 VAC/DC	
Power consumption	-	
Switching current	≤ 5 A (120 VAC), ≤ 3 A (250 VAC), max. 5 A 150 W at VDC	
Initial operation	approx. 10 sec. after connection of power	
Electrical output	Relay with potential contact	
Flow < set-point	.80	.81
- LED, green	off	off
- Output relay	activated	not activated

¹⁾ data relate to water ²⁾ calibrated with insulation oil type "Shell Diala"



weber

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