

Questionnaire



- Flow rate measurement according to the differential pressure method
- Mass flow restriction using the limiting restriction

Flow rate measurement · When measuring the flow rate in liquids, gases or vapors, the orifice plate assembly generates a differential pressure across the restriction, which is recorded by a connected unit (flow meter or differential pressure transmitter).

Mass flow restriction · A restriction orifice plate is used to limit the mass flow.

SAMSON uses the operating data specified in this questionnaire to size the orifice plate assembly and restriction.

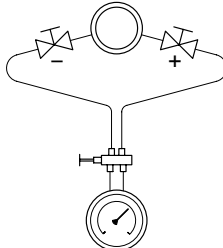

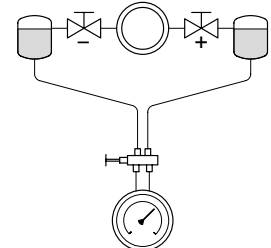

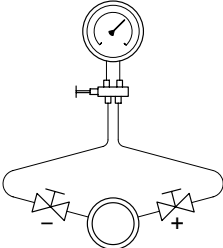

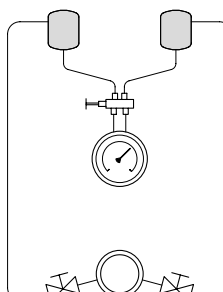

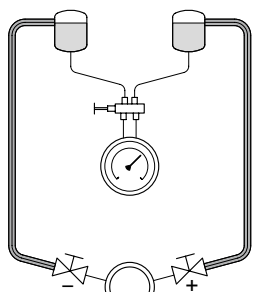

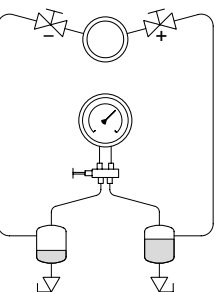

You can fill in, save, print, and e-mail the PDF form.

Check the appropriate boxes , cross out any inapplicable dimensions, and specify all pressures as **absolute pressure** (p_{abs}) in bar.

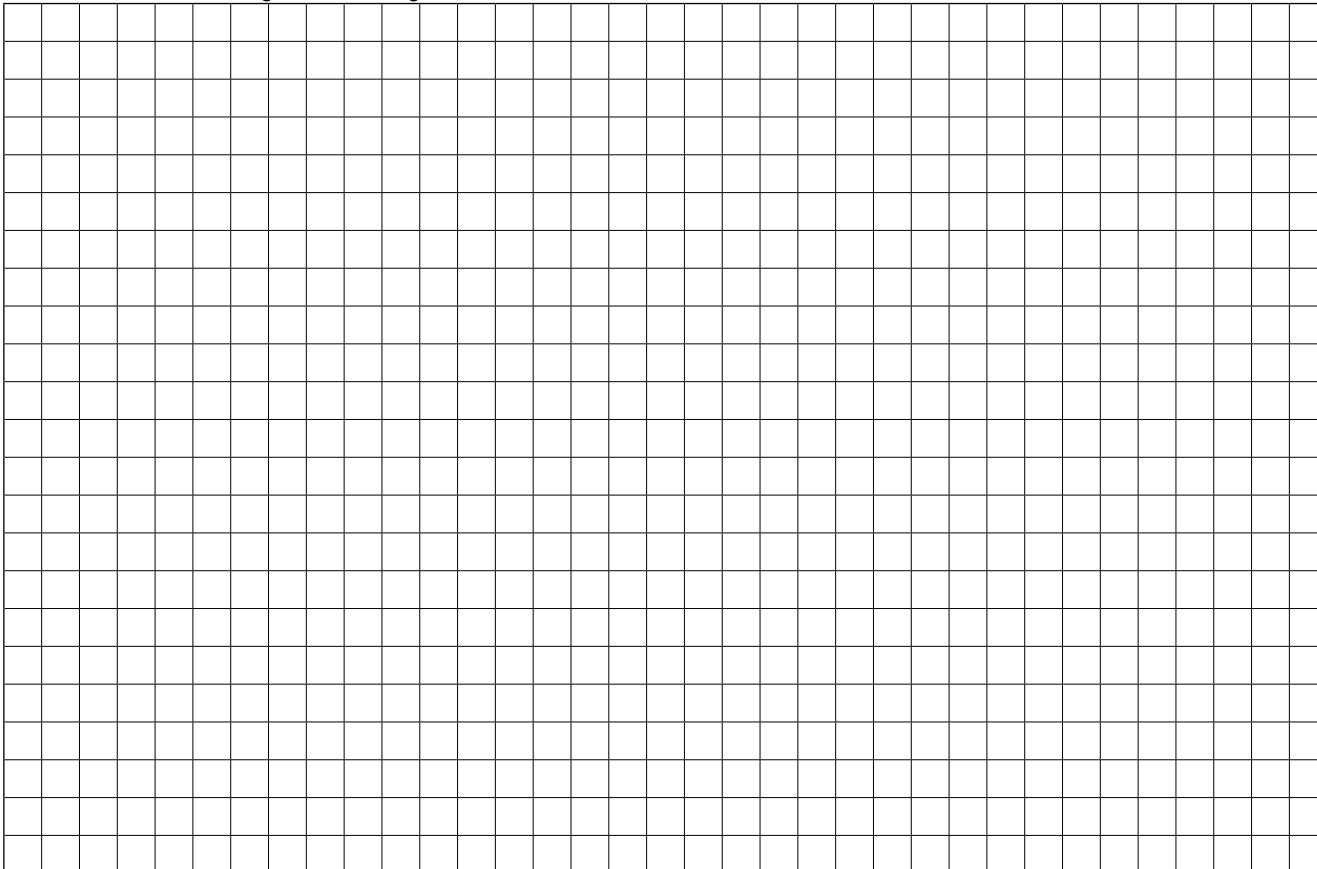
You can also print out the form, fill it in by hand, and send it back to SAMSON.

Process medium		
Max. flow rate to be measured/restricted		kg/h, m ³ /h, Nm ³ /h
Relating to:	Operating status <input type="checkbox"/>	
	Normal condition at 20 °C and 1 bar <input type="checkbox"/>	
	at 0 °C and 1 bar <input type="checkbox"/>	
Pressure upstream of the orifice plate assembly/restriction (operating pressure)		bar
Pressure downstream of the restriction orifice plate		bar
Temperature at the point of measurement (operating temperature)		°C
For liquids	Density under operating conditions	kg/m ³
	Density at 20 °C and 1 bar	kg/m ³
	Viscosity under operating conditions	cP, cSt
For gases	Density under operating conditions	kg/m ³
	Density at 0 °C and 1013 mbar	kg/m ³
Actual inside pipe diameter at the point of measurement (not nominal size)		mm
Device arrangement acc. to schematic drawing (see overleaf).		Please enclose a sketch if the system does not correspond to one of the diagrams shown.
Differential pressure at maximum flow rate. Not required if the associated device is delivered by SAMSON.		mbar
Flow rate scale	0 to 100 % <input type="checkbox"/>	
Special scale	0 to kg/h <input type="checkbox"/>	
	0 to m ³ /h <input type="checkbox"/>	
	0 to <input type="checkbox"/>	
Filled in by		Date
Belongs to order no.		
Order		Signature

Device arrangement (schematic) · Observe the mounting and operating instructions of the Media device for each individual case.

	Liquid measurement	Steam measurement	Gas measurement
Normal installation	 <p> Diagram 1</p>	 <p> Diagram 2</p>	 <p> Diagram 3</p>
Reverse installation	 <p> Diagram 4</p>	 <p> Diagram 5</p>	 <p> Diagram 6</p>

Sketch in case of deviating device arrangement



 Print

 Send to SAMSON AG

 Reset

Specifications subject to change without notice



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