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Technical specifications and mounting description Equflow Stainless-steel Turbine Flowmeters

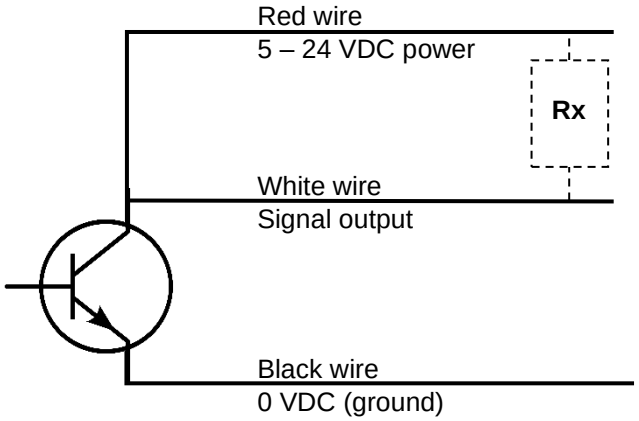
Process specifications		**Models**		
		0045	**0085**	**0125**
Flowrange (L/min)	Minimum:	0,03	0,5	1,5
	Start linear*:	0,10	1,0	2,5
	Maximum:	2,00	20,0	40,0
Wetted parts		Stainless-steel 316L, PVDF and ruby (0045 and 0085 models) Stainless-steel 316L, PFA and ruby (0125 models)		
Process connections		¼" BSP, ¼" NPT or ¾" Tri-Clamp	⅜" or ½" BSP, ⅜" NPT or ¾" Tri-Clamp	½" BSP, ½" NPT or 1" Tri-Clamp
Maximum temperature (˚C / ˚F)		80 / 176		
Maximum pressure (bar)		100**	200**	200
Viscosity (cSt)		0,8 - 10		
Approximate K-factor (pulses/L)		100.000	4.800	2000
Recommended filter pore size (µm)		100	100	150

*The linear range (from the start linear up to the maximum flowrate) is the flowrange where the K-factor is almost independent of the flowrate
** With additional pressure support the maximum pressure will be 150 bar (0045 models) and 250 bar (0085 models)

Recommendations for using Equflow flowmeters

- Check flow direction (arrow on the housing/tubeholder), fluid going in the opposite direction will not generate an output signal.
- Install a suitable filter in front of the sensor (see table for recommended pore size).
- De-aerate the system with a gentle flow before starting the system.
- Check for leakages after starting the system.
- Never clean the flowtube with compressed air.
- Check chemical resistance of the wetted parts before use

Electrical specifications and sensor connections



If R load is < 10kΩ, a pull-up resistor (Rx) is required: for example 4k7 or 2k2 Ω

Output: NPN square wave