

The PCI7 series of hygienic turbine flowmeters have been specially created for the measurement of liquid flow in the dairy, beverage, food and pharmaceutical industries. Their hygienic stainless steel construction provides excellent corrosion resistance whilst the internal design minimises bacterial growth crevices.

Specifications

Linearity:	Better than +/- 0.5% of reading
Repeatability	+/-0.1% of reading
Pressure drop	0.5 bar at maximum flow
Maximum overrange:	Up to 110% of the maximum flow rate for short durations
Maximum pressure	16 bar
Temperature	Standard pickoff coil -30°C to 110°C
Temperature	High temp. pickoff -30°C to 232°C
Body connections RN3	Tri-clamp / ISS / RJT



The rotor is machined from solid 431 stainless steel making it virtually indestructible. The sleeve bearings provide high-quality, long-term reliability and are suitable for low pressure steam sterilisation and chemical in place cleaning.

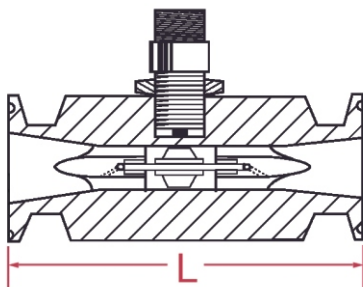
Construction

Body	316 stainless steel
Sleeve bearings	PTFE with carbon graphite filler (to 180°C)
Rotor	431 stainless steel
Rotor shaft	Tungsten carbide
Hangers	316 stainless steel
Circlips	316 stainless steel

With a range of common hygienic end connections to mount directly into the flow line, bi-directional flow capability and polished internals the PCI7 series offers easy installation, low maintenance and improved product quality.

Options

Sleeve bearings	Tungsten carbide (max. temp. 232 °C)
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Model No	Pipe size (mm)	Linear Flow Range (lit/min)	Pulses / litre	Connection Size	L (mm)	Weight (kg)
PCI7/15/2	15	2-20	3800	1"	127	1.1
PCI7/20/5	20	5-50	1080	1"	127	1.1
PCI7/20/8	20	8-80	1080	1"	127	1
PCI7/25/15	25	15-150	620	1½"	127	0.9
PCI7/25	25	25-250	362	1½"	127	2.3
PCI7/40	40	65-650	82	2"	155	3.2
PCI7/50	50	110-1100	59	2½"	216	5
PCI7/80	80	225-2250	14	3"	300	8