


# LMPVC+ Series

Low cost, plastic bodied Pelton Wheel flowmeter with inline pipe connections, providing a pulse output.

Model Type	Flow Rate Range	Pressure Drop	Pipe Size	Weight
<b>LMPVC.01</b>	0.01 to 0.25 l/min	0.33 bar @ 0.125 l/min; 1.3 bar @ 0.25 l/min	3/4" Plain Pipe ends for solvent welding	0.6 kg
<b>LMPVC.05</b>	0.02 to 1.3 l/min	0.18 bar @ 0.65 l/min; 0.74 bar @ 1.3 l/min	3/4" Plain Pipe ends for solvent welding	0.6 kg
<b>LMPVC.24</b>	0.03 to 4.3 l/min	0.3 bar @ 2 l/min; 1.2 bar @ 4.3 l/min	3/4" Plain Pipe ends for solvent welding	0.6 kg
<b>LMPVC.45</b>	0.04 to 6.3 l/min	0.23 bar @ 3 l/min; 1.3 bar @ 6.3 l/min	3/4" Plain Pipe ends for solvent welding	0.6 kg
<b>LMPVC.90</b>	0.08 to 15 l/min	0.25 bar @ 9 l/min; 0.7 bar @ 15 l/min	3/4" Plain Pipe ends for solvent welding	0.6 kg
<b>LMPVC.220</b>	0.1 to 28 l/min	0.24 bar @ 10 l/min; 1.8 bar @ 28 l/min	3/4" Plain Pipe ends for solvent welding	0.6 kg

## Common Features:

Pressure Rating	Designed for mains water pressure service	
Temperature Rating	40° C	
Viscosity Range	Up to 10 cPs; ring factory if higher	
Accuracy	±2% of actual reading for the top 90% of range. ±0.5% FSD for the bottom 10% of range.	
Repeatability	±0.2% reading over top 90% of range	
Body and Internals	PVC with 316SS with Teflon PFA rotor and sapphire/sapphire bearings	
Ferrites	Sealed	
Seal	FPM 'O' ring (subject to chemical compatibility).	
Wetted parts of sensing electronics	316SS	
External materials of sensing electronics	316SS or 303SS and anodised aluminium	
Output & Power	NPN open collector with 4-way M12 sensor connector [IEC-61076-2-101] – e.g. compatible with Brad Harrison, Hirschmann, ERNI and Turck Banner. Supplied with 5m cable – bare ends. 8 to 28Vdc input.	

## Options:

Output	PNP or TTL (identified by green or blue cap respectively). Also divide by 2, 4 or 10 function
Connections	BSP, NPT, plain od pipe for butt welding or flanges
Flow rate, temperature and pressure	Alternate ratings available in different sizes and styles, consult factory for further details
Seals	FEP covered Silicon, EPDM or Kalrez® for chemical protection
<b>IS Hazardous Area Version ATEX</b>	Available in alternate styles to EEx ia IIC T5 – consult factory for further details (limited to process temperatures up to 70°C) Consult factory for input and output data. Housed in an IP65 epoxy coated die-cast aluminium body-mounted enclosure with 5pin DIN socket.
Connection size	In certain applications the flow range given above can be obtained with larger or smaller connection sizes - contact factory for details.

## Documentation:

Operating and Maintenance Manual	LM0110 with General Information LM0092
Installation Drawing	C3679 and general installation C3729 (dimensions as MM20)
Conformity:	These products conform to PED and EMC. ATEX option available.

## Flowmeter Specification Sheet

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