

V100 Water Meters

Scope of Use / Specification Sheet

The V100 is a volumetric meter designed for measuring domestic flows of cold potable water for revenue billing. The V100's unique design offers an unparalleled blend of accuracy, durability and security.

Product List

Order Code	Description
WM201PD	20mm Ball Joint DCV - Standard
WM202PD	20mm Meter Thread DCV - QUU
WM202PD-R	20mm Meter thread DCV - Recycled - Standard
WM203PD	20mm BSP DCV - Standard
WM204PD	20mm Meter thread DCV - Unity Water
WM205PD	20mm Meter Thread DCV - Standard
WM205PDWA	20mm Meter Thread DCV - Standard - WA
WM207PD	20mm Meter Thread SCV - Standard - Single Check
WM208PD	20mm Ball Joint SCV - Standard
WM209PD	20mm Meter Thread SCV - Standard - Single Check 4x4 Counter
WM251PD	25mm Ball Joint DCV - Standard
WM252PD	25mm Meter Thread DCV - Standard
WM253PD	25mm Meter Thread DCV - QUU
WM257PD	25mm Ball Joint SCV - Standard
WM258PD	25mm Meter Thread SCV - Standard
WM320PD	32mm Flange SCV - QUU
WM321PD	32mm Flange SCV - Standard
WM322PD	32mm Flange SCV - Grooved
WM323PD	32mm Flange SCV - G45 Ends
WM400PD	40mm Flange SCV - Standard
WM402PD	40mm Flange SCV - Grooved
WM403PD	40mm Flange SCV - G50 Ends



WM202PD

WM321PD

Features and Benefits

- Optimum accuracy and performance at all times, in any position
- Revolutionary grooved piston for improved durability and performance
- Durable tamper-proof construction
- Full range of sizes from 15mm to 40mm
- Water temperatures up to 50°C
- Maximum working pressure of 16bar
- Pulse output available providing access to management information

Materials

All V100 meters are manufactured from the highest quality materials ensuring maximum resistance to wear and corrosion. Copper alloys in contact with potable water are dezincification resistant and comply with the Australian Standard AS 2345.

All other materials in contact with potable water comply with the Australian Standard AS/NZS 4020.

Warranty

Reliance Worldwide Corporation (Aust.) Pty. Ltd. (RWC) will either replace or repair any defective goods where the defect arose as a result of manufacture within the warranty period. You may contact RWC at the phone number or e-mail shown below for further information or to make a claim.

Visit www.rmc.com.au/warranty to view the warranty statement in full and for further important information.

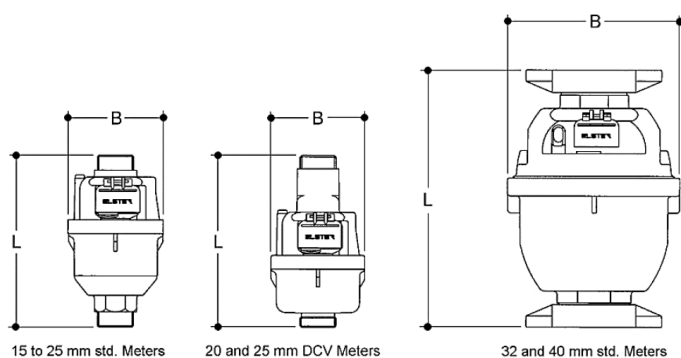
V100

Water Meters

Performance Specifications

Nominal Meter Diameter (DN MM) - (STD Q ₃ /Q ₁ Ratio)		UNITS	20 - (200)	25 - (315)	32 - (250)	40 - (200)
Minimum Flow Rate	Q ₁ ± 5%	L/h	20	20	40	80
Transitional Flow Rate	Q ₂ ± 2%	L/h	32	32	64	128
Permanent Flow Rate	Q ₃ ± 2%	kL/h	4	6.3	10	16
Overload Flow Rate	Q ₄ ± 2%	kL/h	5	7.875	12.5	20
Minimum Registration Flow Rate		L/h	3	13	22	37
Pressure Loss - STD. Meter/with DCV		kPa	24.0/60.4	34.9/60.6	19.7	20.5
@ Q _n Flow Rates to AS 3565.1 - 2010		kL/h	2.5	3.5	5	7.5
Maximum Admissible Pressure		kPa	1600	1600	1600	1600
Min/Max Admissible Temperature		°C	0.1/30	0.1/30	0.1/30	0.1/30
T30 Limiting Condition (Water Temp)		°C	50	50	50	50
Minimum Counter Registration		Litre	0.1 ^a	0.1	0.1	0.1
Maximum Counter Registration		kL	99999.999 ^a	99999.999	99999.999	99999.999
Pulse Output		Litre/pulse	5 ^a	5	5	5
NMI Pattern Approval Certificate	Number:		14/3/1	14/3/11	14/3/12	14/3/18

^a Technical data shown is for meters fitting with 5×3 number wheel counters. For meters fitted with 4×4 number wheel counters, the data for minimum and maximum registration and pulse output would be 0.01, 9999.9999 and 0.5 respectively



Standard and Approval



Dimensions

Nominal Diameter (DN MM)	UNITS	20	25	32	40D
Overall Meter Length (L ± 1mm) ^b	mm	153	177	189	231
Maximum Diameter (B)	mm	87	101	121	160
Bare Meter Weight ^c	kg	1.25	2.1	3.6	5.7

^b Overall lengths other than those shown are also available

^c All weights shown including the 20 and 25mm DCV meters are unpacked without connections and are approximate only.