

LL II

New Design Type Roots Flow Meter

Model LLII series roots flow meter is a new type roots flow meter with its LBS-II counter composed of knockdown parts from abroad. It can meet the requirements of corrosive media and fluids containing water or sand.

LBS-II counter for flow meter is assembled with imported knockdown parts. Its unique features are mobility of digit wheel rotation、flexibility of resetting operation、more stable and precise measurement、and longer service life.

This flow meter can provide on-site display of accumulated flow; when being coupled with photoelectron pulse converter and flow totalizer through transmission interface, it can carry out remote measurement、display、and control.

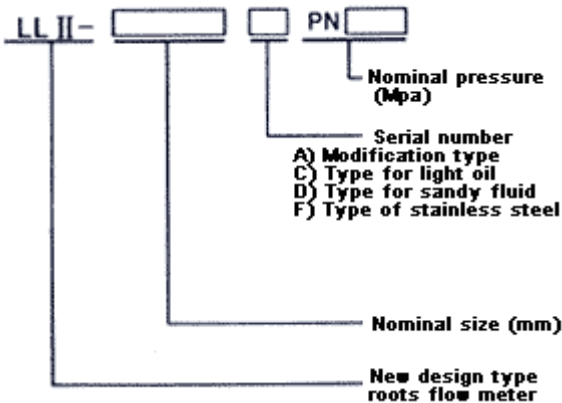
The standard for this product is Q/YXBM 368-2000, while the inspecting regulation thereof is JJG 667-97 'for volumetric flow meter of liquid'.



Principal Specifications

Nominal sizes DN(mm)	Maximum flow rate m^3/h	Elementaryerror limit(%)		Temperature of medium ℃	Speed of transmission output shaft m^3/r	Nominal Pressure MPa	Maximum pressure loss MPa	Viscosity range mPa·s
		Range ability 5: 1	Range ability 10: 1					
50	25	±0.2	±0.5	0~120	0.01	1.6 2.5 4.0 6.3	<0.12	3~500
80	60							
100	100							
150	250							
200	400							
250	600							
300	1000							
					0.1			

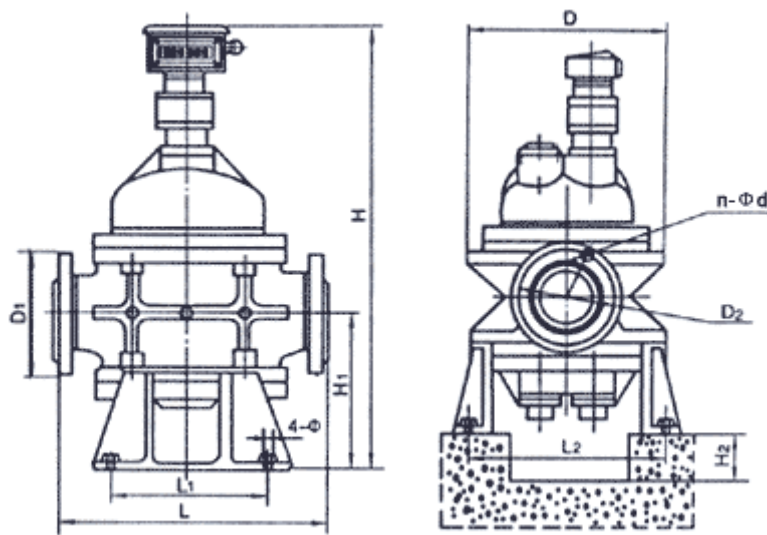
Model designation



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- Technical drawing of a vertical industrial valve. The drawing shows a side view of the valve assembly. Key dimensions and features are labeled: D is the top flange diameter; H is the total height; D_1 is the upper body diameter; H_1 is the upper body height; D_2 is the lower body diameter; D_3 is the lower body diameter at the base; L is the base length; and $3-\Phi$ indicates three mounting holes. A detail view of the top flange is shown with dimensions $n-\Phi d$ and D_2 .

Model	Overall height	Height of center	Outside diameter of large plane	location of base bolts	Base bolt apertures	Distance between two flanges	Outside diameter of flanges	Circle of bolt hole Centers	Apertures of boltholes	Connecting bolts	Weight (kg)
Dimensions	H	H1	D	D3	3-Φ	L	D1	D2	n-Φd	n-Md1	
LLII-50D PN2.5	940	237	Φ300	Φ240	3-Φ18	360	Φ160	Φ125	4-Φ18	4-M16	128
PN4.0							Φ160	Φ125	4-Φ18	4-M16	129
PN6.3							Φ175	Φ135	4-Φ23	4-M20	130
LLII-80 PN2.5	1037	289	Φ400	Φ370	3-Φ23	460	Φ195	Φ160	8-Φ18	8-M16	228
PN4.0							Φ195	Φ160	8-Φ18	8-M16	229
PN6.3							Φ210	Φ170	8-Φ23	8-M20	231
LLII-100 PN2.5	1100	318	Φ425	Φ370	3-Φ23	500	Φ230	Φ190	8-Φ23	8-M20	280
PN4.0							Φ230	Φ190	8-Φ23	8-M20	282
PN6.3							Φ250	Φ200	8-Φ25	8-M22	286

- Nominal sizes DN150~300 mm



Unit: mm

Model	Overall height H	Height of center H1	Outside diameter of large plane D	Location of base bolts L1×L2	Base bolt apertures 4-Φ	Distance between two flanges L	Outside diameter of flanges D1	Circle of bolt hole centers D2	Apertures for bolts n-Φd	Connecting bolts n-Md1	Maintenance notch depth of foundation H2>	Weight (kg)
Dimensions												
LL II -150A, PN1.6	1467	462	Φ470	355×360	4-Φ25	650	Φ280	Φ240	8-Φ23	8-M20	60	460
PN2.5							Φ300	Φ250	8-Φ25	8-M22		470
PN4.0							Φ300	Φ250	8-Φ25	8-M22		470
PN6.3							Φ340	Φ280	8-Φ34	8-M30		490
LL II -200, PN1.6	1528	488	Φ500	570×440	4-Φ27	700	Φ335	Φ295	12-Φ23	12-M20		625
PN2.5	1540	500	Φ520				Φ360	Φ310	12-Φ25	12-M22		640
PN4.0							Φ375	Φ320	12-Φ30	12-M27		650
PN6.3							Φ405	Φ345	12-Φ34	12-M30		670
LL II -250, PN1.6	1731	576	Φ670	580×840		1000	Φ405	Φ355	12-Φ25	12-M22	100	1562
PN2.5			Φ720				Φ425	Φ370	12-Φ30	12-M27		1578
PN4.0							Φ445	Φ385	12-Φ34	12-M30		1595
PN6.3							Φ470	Φ400	12-Φ41	12-M36		1620
LL II -300, PN1.6	1936	680	Φ670		Φ460		Φ410	12-Φ25	12-M22	1780		
PN2.5			Φ720		Φ485		Φ430	16-Φ30	16-M27	1800		
PN4.0					Φ510		Φ450	16-Φ34	16-M30	1825		
PN6.3					Φ530		Φ460	16-Φ41	16-M36	1860		

Note: The allocation of piping flanges should accord with JB/T81-94 (PN1.6, PN2.5) or JB/T82.2-94 (PN4.0, PN6.3).