



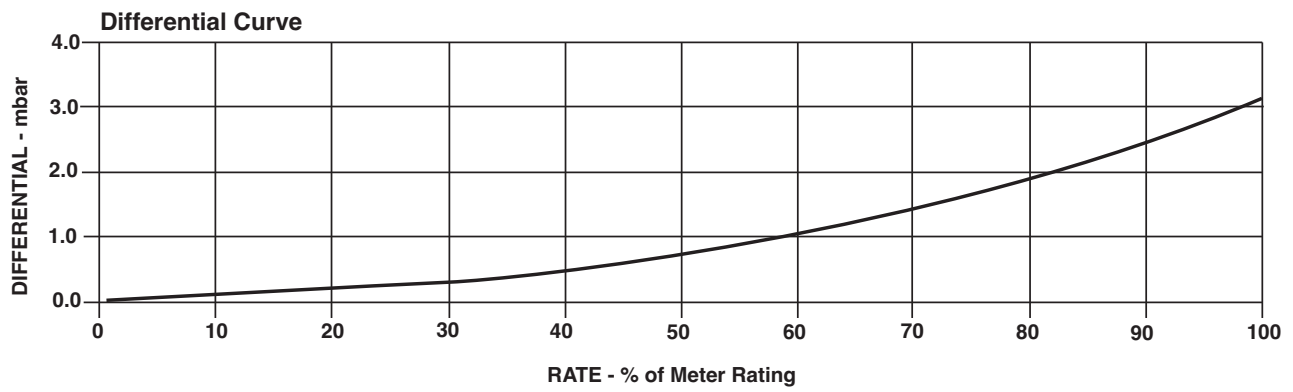
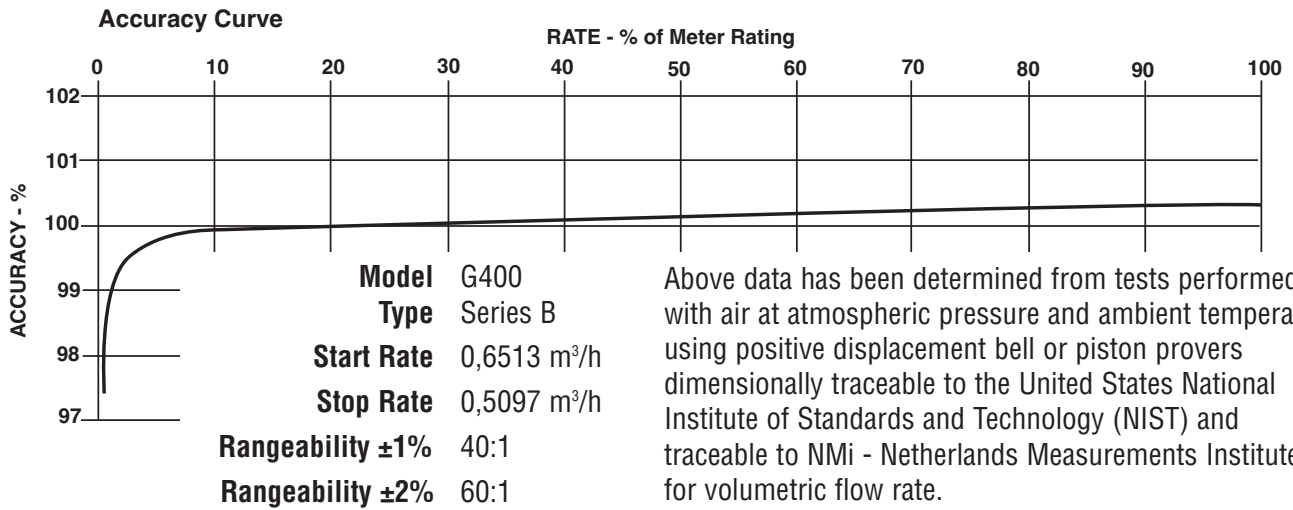
SERIES B3: G400 ROOTS® Meter

	UNITS	Metric/DIN	UNITS	Metric/ANSI
Temperature Range	deg. C	-40 to +60	deg. C	-40 to +60
Base Rating (Q Max.)	m³/h	650,0	m³/h	650,0
Max. Operating Pressure (MAOP)	bar	12	bar	12
Leak Test (125% MAOP)	bar	15	bar	15
Static Test (2 x MAOP)	bar	24	bar	24
Rangeability +/- 1%	ratio	40:1	ratio	40:1
Rangeability +/- 2%	ratio	60:1	ratio	60:1
Start Rate	m³/h	0,6513	m³/h	0,6513
Stop Rate	m³/h	0,5097	m³/h	0,5097
Flow Rate @ 1,25 mbar, Gas	m³/h	419,1	m³/h	419,1
Avg. Differential, 100% Flow	mbar	3,1	mbar	3,1
Max. Pressurization Rate	kPa/sec	35	kPa/sec	35
Max. Operating Speed	rpm	1,040	rpm	1,040
Gear Ratio	ratio	95,3323:1	ratio	95,3323:1
Displaced Volume/Revolution	m³	0,010488	m³	0,010488
Drive Rate, CD	m³	1,0	m³	1,0
Min. Odometer Reading	m³	0,020	m³	0,020
Odometer Turnover	yrs.	1,76	yrs.	1,76
Nominal Pipe Size	mm	150	mm	150
Flange-to-Flange	mm	406,4	mm	406,4
Flange Connection	DIN	DN 150	ANSI	150#FF
Bolts per Flange	qty.	8	qty.	8
Bolt Size ¹	mm	M20	in.	3/4-10
Flange Bolt Hole Depth	mm	41,2	mm	41,2
Bolt Torque: Lubricate /Non-Lub.	N-m	108	N-m	108
Restricting Orifice (120%)	mm	37,306	mm	37,306
Oil Capacity – Side Inlet	ml	1,189	ml	1,189
Oil Capacity – Top Inlet	ml	4554	ml	4554
<i>Counter Version (CTR)²</i>				
Net Weight	kg	92	kg	92
Shipping Weight	kg	105	kg	105
Carton Size	cm	106 x 64 x 64	cm	106 x 64 x 64
<i>Counter with Instrument Drive (CD)²</i>				
Net Weight	kg	93	kg	93
Shipping Weight	kg	106	kg	106
Carton Size	cm	106 x 64 x 64	cm	106 x 64 x 64

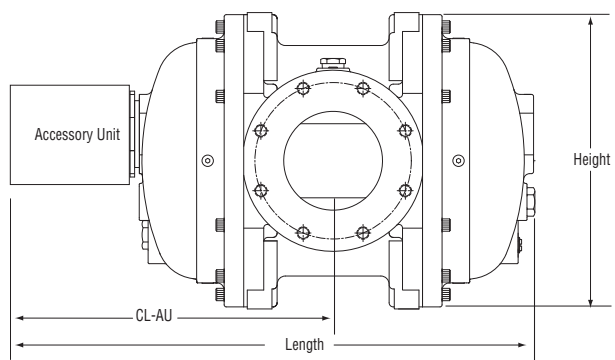
NOTES:

¹ Bolt Length varies by application.

² Weights and dimensions available for CPS upon request.



G400 Series B3	Overall Length		Overall Height		Width (Flange/Flange)		Centerline to Accessory End (CL-AU)		Request Detailed Drawing Number
	inches	mm	inches	mm	inches	mm	inches	mm	
CTR	29-3/16	741	18	457	16	406	16-15/16	430	D054750-001
CD	33	838	18	457	16	406	20-3/4	527	D054433-001
ICPS	30-29/32	785	18	457	16	406	18-21/32	474	D057701-000
IMC/W2	33-9/16	853	18	457	16	406	21-5/16	541	D057732-000



To order

Specify: Meter Series, Size and Type (i.e., ROOTS Meter Series B3 G400 CD).
 For CD, specify Inlet (Top or Side) and ID Rotation (CW-B or CCW-A).
 For Pulsar, specify Single or Dual Connectors and Connector Type (MS Circular, Conduit or Cable Gland).
 For more specific ordering information on the electronic products, request: S:SSP or TS:MC2.
 Contact the factory for other available information, options, or special requests.

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