

## Model 8C175 ROOTS® Meter



### Features

- Lightweight Aluminum Construction
- Rugged Hard Coated Cylinder, Headplates and Impellers
- Compact Size
- Multi-position Mounting
- 175 PSIG (1200kPa) Working Pressure
- Low Maintenance
- Long Service-life
- Simple Installation: 1-1/2" NPT Male Connections
- Available in English and Metric

The 8C175 CTR ROOTS® Meter is the smallest, lightest and most versatile rotary gas meter ever produced. Permanent accuracy, rugged construction, wide rangeability and simple field testing add up to the best investment in gas measurement equipment your company can make.

### Testing

All units are subjected to rigorous hydrostatic, leak, starting and running differential tests.

Accuracy and differential data are furnished for 100% and 10% of rated capacity from positive displacement bell provers.

## Capacities

ENGLISH - ATM. PRESS. = 14.4 PSIA, BASE = 14.73 PSIA, BASE TEMP. = 60°F

PRESSURE (PSIG)	0	1	5	15	25	50	75	100	125	150	175
CAPACITY (SCFH)	800	840	1050	1600	2140	3500	4860	6210	7570	8930	10300

METRIC - ATM. PRESS. = 101.325 kPa, BASE = 101.325 kPa, BASE TEMP. = 15°C

PRESSURE (kPa)	0	15	50	100	200	400	500	700	860	1000	1200
CAPACITY (Sm <sup>3</sup> /h)	22.6	26	34	45	67	112	134	179	215	245	290

## Specifications

	English	Metric
Max. Working Pressure	175 PSIG	1200 kPa
Connection Size	1-1/2" NPT, Male Thread	1-1/2" NPT, Male Thread
Weight	6 lbs	2.72 kg
Temp. Range	-40°F to +140°F	-40°C to +60°C
Oil Level Gauge	Bull's-Eye On End Covers	Bull's-Eye On End Covers
Oil Capacity (Top Inlet)	.95 oz.	28 ml
Oil Type	ROOTS® Meter Oil	ROOTS® Meter Oil
Differential Taps	1/4" NPT	1/4" NPT
Mounting	Top, Side or Bottom Inlet	Top, Side or Bottom Inlet
Impeller Type	Figure "8" Lobed	Figure "8" Lobed

## Physical Dimensions

	English	Metric
Length	8-9/16 inches	21.7 cm
Width	3-5/16 inches	8.4 cm
Height	9-11/16 inches (approx.)	24.6 cm
Construction	Hard Coat Anodized Aluminum Impellers, Headplates and Cylinder	Hard Coat Anodized Aluminum Impellers, Headplates and Cylinder
Counter	5 Digit with Reading x 100 = ACF 1 ACF Test Increment	7 Digit with Reading x 1 = m <sup>3</sup> 0.02m <sup>3</sup> Test Increment

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