

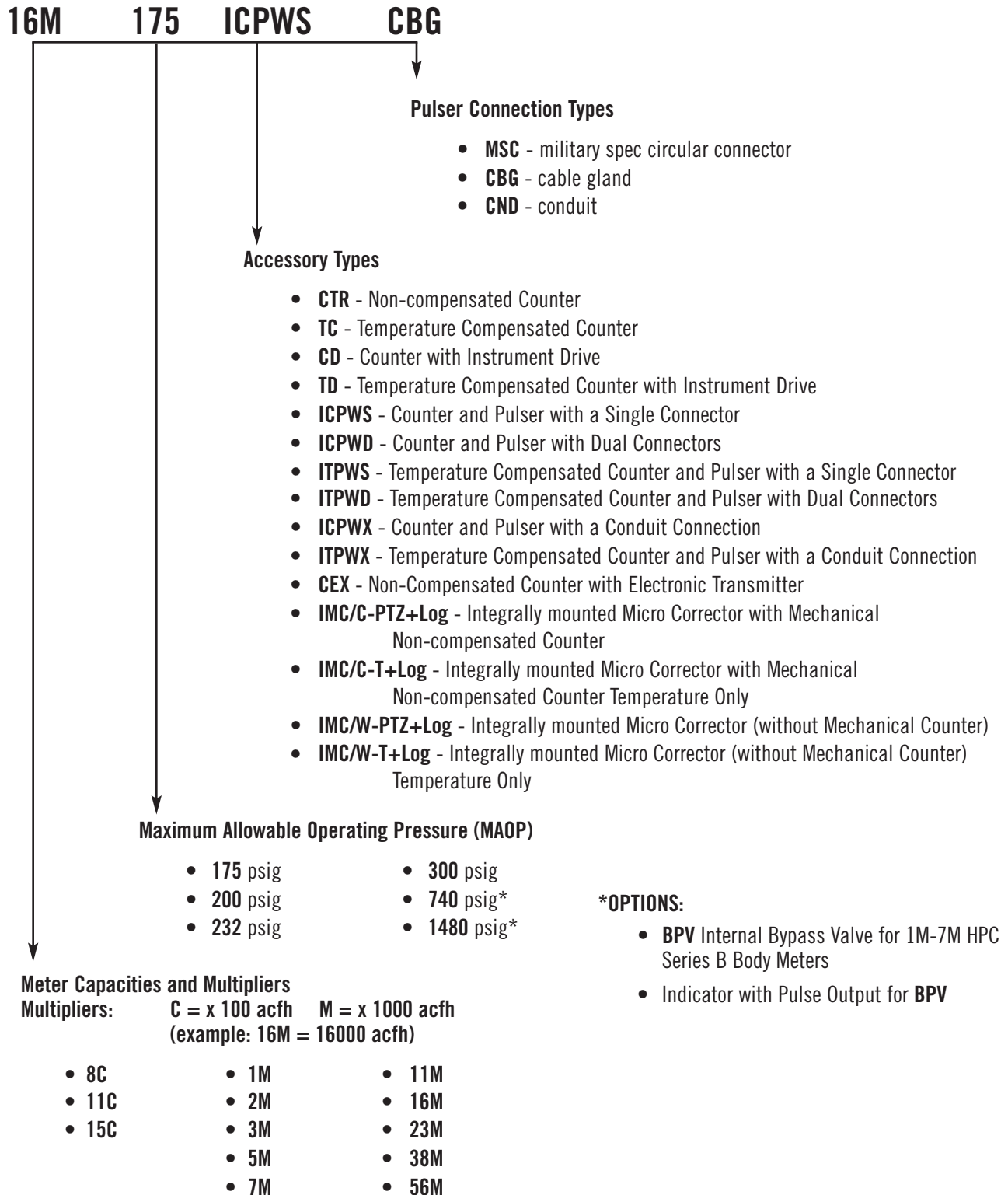


ROOTS Meters & Instruments

ACRONYM CHART

ROOTS® Meter Accessory Acronym Chart

for Series B3, B3-HP, & B3-HPC Meters





ROOTS Meters & Instruments

Sizing Charts

| LINE MOUNTED | | | | | | | | | | | | | Foot Mount |
|--|--------|---------|---------|--------|--------|--------|-------|--------|--------|--------|--------|--------|------------|
| MODEL | 8C175* | 11C175* | 15C175* | 2M175* | 3M175* | 5M175* | 7M175 | 11M175 | 16M175 | 23M175 | 38M175 | 56M175 | 102M125 |
| *Also available in 200 PSIG Rating | | | | | | | | | | | | | |
| RATING PSIG | 800 | 1100 | 1500 | 2000 | 3000 | 5000 | 7000 | 11000 | 16000 | 23000 | 38000 | 56000 | 102000 |
| Corrected Capacity at Metering Pressure – in MSCFH | | | | | | | | | | | | | |
| 1 | 0.84 | 1.15 | 1.57 | 2.09 | 3.1 | 5.2 | 7.3 | 11.5 | 16.7 | 24.0 | 39.7 | 58.5 | 106.6 |
| 3 | 0.94 | 1.30 | 1.77 | 2.60 | 3.5 | 5.9 | 8.3 | 13.0 | 18.9 | 27.2 | 44.9 | 66.1 | 120.5 |
| 5 | 1.05 | 1.45 | 1.98 | 2.63 | 4.0 | 6.6 | 9.2 | 14.5 | 21.1 | 30.3 | 50.0 | 73.8 | 134.3 |
| 10 | 1.32 | 1.82 | 2.48 | 3.31 | 5.0 | 8.3 | 11.6 | 18.2 | 26.5 | 38.1 | 62.9 | 92.7 | 168.9 |
| 15 | 1.60 | 2.20 | 2.99 | 3.89 | 6.0 | 10.0 | 14.0 | 22.0 | 31.9 | 45.9 | 75.8 | 111.8 | 203.6 |
| 20 | 1.87 | 2.57 | 3.50 | 4.67 | 7.0 | 11.7 | 16.3 | 25.7 | 37.4 | 53.7 | 88.7 | 130.8 | 238.2 |
| 25 | 2.14 | 2.94 | 4.01 | 5.35 | 8.0 | 13.4 | 18.7 | 29.4 | 42.8 | 61.5 | 101.7 | 149.8 | 272.9 |
| 30 | 2.41 | 3.32 | 4.52 | 6.03 | 9.0 | 15.1 | 21.1 | 33.2 | 48.2 | 69.3 | 114.5 | 168.8 | 307.4 |
| 40 | 2.95 | 4.06 | 5.54 | 7.35 | 11.1 | 18.5 | 25.9 | 40.6 | 59.1 | 84.9 | 140.3 | 206.8 | 376.7 |
| 50 | 3.50 | 4.81 | 6.56 | 8.74 | 13.1 | 21.9 | 30.6 | 48.1 | 70.0 | 100.6 | 166.1 | 244.8 | 445.9 |
| 60 | 4.04 | 5.56 | 7.58 | 10.10 | 15.2 | 25.3 | 35.4 | 55.6 | 80.8 | 116.2 | 191.9 | 282.9 | 515.2 |
| 70 | 4.58 | 6.30 | 8.60 | 11.50 | 17.2 | 28.7 | 40.1 | 63.0 | 91.7 | 131.8 | 217.7 | 320.9 | 584.5 |
| 80 | 5.13 | 7.05 | 9.61 | 12.80 | 19.2 | 32.0 | 44.9 | 70.5 | 102.5 | 147.4 | 243.5 | 358.9 | 653.7 |
| 90 | 5.67 | 7.80 | 10.63 | 14.20 | 21.3 | 35.4 | 49.6 | 78.0 | 113.4 | 163.0 | 269.3 | 396.9 | 723.0 |
| 100 | 6.21 | 8.54 | 11.65 | 15.50 | 23.3 | 38.8 | 54.4 | 85.4 | 124.3 | 178.6 | 295.1 | 434.9 | 792.1 |
| 110 | 6.76 | 9.29 | 12.67 | 16.93 | 25.3 | 42.2 | 59.1 | 92.9 | 135.1 | 194.2 | 320.9 | 472.9 | 861.4 |
| 120 | 7.30 | 10.04 | 13.69 | 18.25 | 27.4 | 45.6 | 63.9 | 100.4 | 146.0 | 209.9 | 346.7 | 510.9 | 930.6 |
| 125 | 7.57 | 10.41 | 14.20 | 18.90 | 28.4 | 47.3 | 66.2 | 104.1 | 151.4 | 217.7 | 359.6 | 530.0 | 965.3 |
| 135 | 8.11 | 11.16 | 15.21 | 20.33 | 30.4 | 50.7 | 71.0 | 111.6 | 162.3 | 233.3 | 385.4 | 568.0 | |
| 150 | 8.93 | 12.28 | 16.74 | 22.30 | 33.5 | 55.8 | 78.1 | 122.8 | 178.6 | 256.7 | 424.1 | 625.0 | |
| 175 | 10.29 | 14.15 | 19.29 | 25.70 | 38.6 | 64.3 | 90.0 | 141.5 | 205.8 | 295.8 | 488.7 | 720.2 | |
| 200 | 11.64 | 16.01 | 21.83 | | | | | | | | | | |

HIGH PRESSURE METERS

| MODEL | 1M300 | 1M740 | 1M1480 | 3M300 | 3M740 | 3M1480 | 5M1480 | 7M1480 |
|--|-------|-------|--------|-------|-------|--------|--------|--------|
| RATING PSIG | 1000 | 1000 | 1000 | 3000 | 3000 | 3000 | 5000 | 7000 |
| Corrected Capacity at Metering Pressure — in MSCFH | | | | | | | | |
| 125 | 9.5 | 9.5 | 9.5 | 28.4 | 28.4 | 28.4 | 47.3 | 66.2 |
| 150 | 11.2 | 11.2 | 11.2 | 33.5 | 33.5 | 33.5 | 55.8 | 78.1 |
| 175 | 12.9 | 12.9 | 12.9 | 38.6 | 38.6 | 38.6 | 64.3 | 90.0 |
| 200 | 14.6 | 14.6 | 14.6 | 43.7 | 43.7 | 43.7 | 72.8 | 102 |
| 250 | 18.0 | 18.0 | 18.0 | 53.9 | 53.9 | 53.9 | 89.8 | 126 |
| 300 | 21.3 | 21.3 | 21.3 | 64.0 | 64.0 | 64.0 | 107 | 149 |
| 350 | | 24.7 | 24.7 | | 74.2 | 74.2 | 124 | 173 |
| 500 | | 34.9 | 34.9 | | 105 | 105 | 175 | 244 |
| 600 | | 41.7 | 41.7 | | 125 | 125 | 209 | 292 |
| 740 | | 51.2 | 51.2 | | 154 | 154 | 256 | 359 |
| 800 | | | 55.3 | | | 166 | 276 | 387 |
| 900 | | | 62.1 | | | 186 | 310 | 435 |
| 1200 | | | 82.4 | | | 247 | 412 | 577 |
| 1480 | | | 102 | | | 305 | 508 | 711 |

Performance Data

| MODEL | PERFORMANCE DATA | | RANGEABILITY | |
|--------------|------------------|-----------|--------------|-------|
| | START RATE | STOP RATE | 1% | 2% |
| 8C | 2.79 | 2.03 | 26:1 | 46:1 |
| 11C | 2.30 | 1.74 | 31:1 | 58:1 |
| 15C | 1.94 | 1.57 | 40:1 | 78:1 |
| 2M | 1.9 | 1.1 | 68:1 | 126:1 |
| 3M | 2.1 | 1.8 | 76:1 | 139:1 |
| 5M | 1.2 | 0.8 | 120:1 | 215:1 |
| 7M | 5.33 | 3.39 | 67:1 | 115:1 |
| 11M | 3.88 | 3.23 | 124:1 | 227:1 |
| 16M | 3.24 | 1.89 | 116:1 | 223:1 |
| 23M | 26 | 20 | 40:1 | 60:1 |
| 23M Ft. Mt. | 35 | 24 | 22:1 | 48:1 |
| 38M | 27 | 20 | 90:1 | 110:1 |
| 38M Ft. Mt. | 60 | 54 | 25:1 | 50:1 |
| 56M | 102 | 90 | 23:1 | 40:1 |
| 102M Ft. Mt. | 120 | 100 | 38:1 | 83:1 |

Line Mount

| TECHNICAL DATA | UNITS | 8C175* | 11C175* | 15C175* | 2M175* | 3M175* | 5M175* | 7M175 | 8.8M175 | 11M175 | 16M175 | 23M175 |
|----------------------------------|----------|--------|---------|---------|--------|--------|--------|--------|---------|--------|--------|--------|
| * Available with 200 PSIG Rating | | | | | | | | | | | | |
| Base Rating (Q Max.) | acfh | 800 | 1100 | 1500 | 2000 | 3000 | 5000 | 7000 | N/A | 11000 | 16000 | 23000 |
| Max. Operating Pres. (MAOP)* | psig | 175 | 175 | 175 | 175 | 175 | 175 | 175 | N/A | 175 | 175 | 175 |
| Rangeability +/- 1% | ratio | 26:1 | 31:1 | 40:1 | 68:1 | 76:1 | 120:1 | 67:1 | 70:1 | 124:1 | 116:1 | 40:1 |
| Start Rate | cfh | 2.8 | 2.3 | 1.9 | 1.9 | 2.1 | 1.2 | 5.3 | N/A | 3.9 | 3.2 | 23.0 |
| Stop Rate | cfh | 2.0 | 1.7 | 1.6 | 1.1 | 1.8 | 0.8 | 3.4 | N/A | 3.2 | 1.9 | 18.0 |
| Avg. Differential, 100% Flow | in. w.c. | 0.5 | 0.6 | 0.8 | 0.7 | 1.1 | 1.1 | 1.6 | N/A | 1.6 | 2.1 | 1.3 |
| Drive Rate CTR, CD | cf/rev | 10 | 10 | 10 | 10 | 10 | 10 | 10 | N/A | 10 | 100 | 100 |
| Drive Rate TC, TD | cf/rev | 100 | 100 | 100 | 100 | 100 | 100 | 100 | N/A | 100 | 1000 | N/A |
| Nominal Pipe Size | in. | 2 | 2 | 2 | 2 | 2 | 3 | 3 | N/A | 4 | 4 | 6 |
| Flange-to-Flange | in. | 6-3/4 | 6-3/4 | 6-3/4 | 6-3/4 | 6-3/4 | 6-3/4 | 9-1/2 | N/A | 9-1/2 | 9-1/2 | 16 |
| Flange Connection | ANSI | 125#FF | 125#FF | 125#FF | 125#FF | 125#FF | 125#FF | 125#FF | 125#FF | 125#FF | 125#FF | 125#FF |
| Net Weight - CTR Version | lbs. | 18 | 22 | 24 | 26 | 29 | 35 | 52 | N/A | 60 | 85 | 202 |

High Capacity Line Mounts

| TECHNICAL DATA | UNITS | 38M175 | 56M175 | 102M125 |
|------------------------------|----------|--------|--------|---------|
| Base Rating (Q Max.) | acfh | 38000 | 56000 | 102000 |
| Max. Operating Pres. (MAOP)* | psig | 175 | 175 | 125 |
| Rangeability +/- 1% | ratio | 90:1 | 53:1 | 38:1 |
| Start Rate | cfh | 27.0 | 40.0 | 120.0 |
| Stop Rate | cfh | 20.0 | 1.0 | 110.0 |
| Avg. Differential, 100% Flow | in. w.c. | 1.9 | 2.2 | 2.0 |
| Drive Rate CTR, CD | cf/rev | 100 | 100 | 100 |
| Drive Rate TC, TD | cf/rev | N/A | N/A | N/A |
| Nominal Pipe Size | in. | 6 | 8 | 10 |
| Flange-to-Flange | in. | 18 | 21 | 28 |
| Flange Connection | ANSI | 125#FF | 125#FF | 125#FF |
| Net Weight - CTR Version | lbs. | 244 | 284 | 2390 |

High Pressure Meters

| TECHNICAL DATA | UNITS | 1M300 | 1M740 | 1M1480 | 3M300 | 3M740 | 3M1480 | 5M1480 | 7M1480 |
|------------------------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|
| Base Rating (Q Max.) | acfh | 1000 | 1000 | 1000 | 3000 | 3000 | 3000 | 5000 | 7000 |
| Max. Operating Pres. (MAOP)* | psig | 300 | 740 | 1480 | 300 | 740 | 1480 | 1480 | 1480 |
| Rangeability +/- 1% | ratio | 30:1 | 18:1 | 18:1 | 50:1 | 77:1 | 77:1 | 28:1 | 60:1 |
| Start Rate | cfh | 1.9 | 2.5 | 2.5 | 2.1 | 3.0 | 3.0 | 7.6 | 5.8 |
| Stop Rate | cfh | 1.1 | 2.0 | 2.0 | 1.8 | 2.5 | 2.5 | 4.6 | 4.6 |
| Avg. Differential, 100% Flow | in. w.c. | 0.2 | 0.4 | 0.3 | 1.0 | 1.3 | 1.35 | 2 | 2 |
| Drive Rate CTR, CD | cf/rev | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Drive Rate TC, TD | cf/rev | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| Nominal Pipe Size | in. | 1-1/2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 |
| Flange-to-Flange | in. | 6-3/4 | 10-3/4 | 10-3/4 | 6-3/4 | 10-3/4 | 10-3/4 | 14-3/4 | 14-3/4 |
| Flange Connection | ANSI | 300#FF | 300#RF | 600#RF | 300#FF | 300#RF | 600#RF | 600#RF | 600#RF |
| Net Weight - CTR Version | lbs. | 26.5 | 107 | 107 | 29 | 107 | 107 | 215 | 220 |



Power Equipment Company

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PRODUCT RETURN FORM

RMA No.

Bill To:

Ship To:

Contact or Approval Name:

Phone Number:

Fax Number:

E-mail Address:

| Quantity | Product Description | Product Serial Number | Bill of Material / Part Number |
|----------|---------------------|-----------------------|--------------------------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Problem or Reason for Return – explained in detail. Attach additional page(s) if necessary.

Check Applicable Box:

- Repair Warranty (provide Original Sales Order or Purchase Order No.)
- Exchange Credit Other (Specify) _____

Notes:

Products returned for warranty consideration and are found not to be covered under warranty will be subject to the applicable repair or replacement charges. Contact Dresser ROOTS Meter & Instruments for authorization to return products for credit or exchange that were the result of our error. Special consideration will be given for other requests to return for credit or exchange. If approved for return, a restocking charge will apply. Dresser ROOTS Meter & Instruments does not accept the return of any product that is not of current revision level, any used products, or any product not returned in its original shipping package/carton.

Oil must be drained prior to shipment to avoid additional charges. Seal inlet & outlet meter body flanges.

Service Options:

- Basic Inspection Report: Free of Charge
- Fax Basic Inspection Report before repairing
- Include Basic Inspection Report with meter shipment
- "Inspect & Advise" before proceeding with repair and wait for authorization: \$50.00 Charge
- Repair, Return & Invoice per Purchase Order