

RESERVOIR QUALITY (RQ™)

Translucent Pressure Tubing *At-A-Glance Fluid Level Indication*

Designed specifically for pressurized air-oil system reservoirs, translucent Reservoir Quality (RQ) Tubing provides the ease of "at-a-glance" fluid level indication from any angle. RQ Tubing is available in ID sizes ranging from 1 inch to 30 inches (metric sizes also available) and is typically used in systems of 150 psi or higher.

ELIMINATES COSTLY SIGHT GLASS

RQ Tubing is translucent, eliminating the need for an expensive and fragile sight glass.

SHATTER RESISTANT

RQ Tubing is formulated to withstand high impact and it is chip resistant. With an impact strength of 40 Izod ft.-lbs., unlike metals, RQ simply does not dent.

10 TIMES AS STRONG

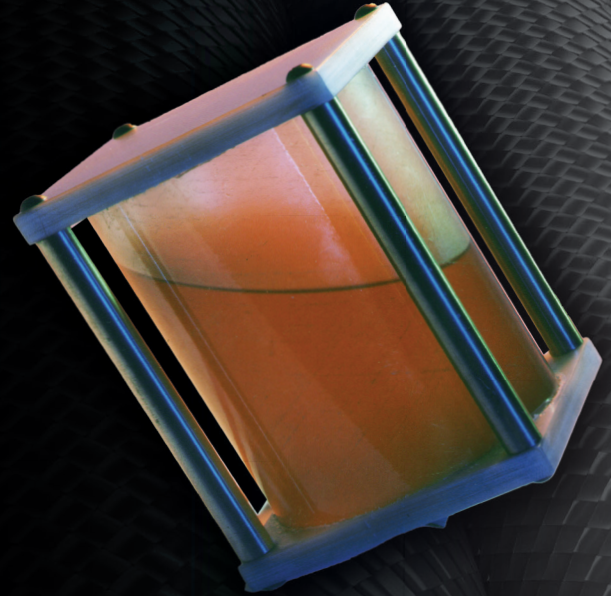
RQ Tubing offers at least 10 times the tensile strength of conventional thermoplastics such as polycarbonate, polystyrene and acrylic.

SUPERIOR CORROSION RESISTANCE

Trouble-free performance in chemical, acidic, high moisture and other corrosive conditions or adverse environments including salt and chlorinated water.

75% REDUCTION IN WEIGHT

Composite construction reduces material handling and shipping costs. Approximately 1/4 the weight of steel or brass and 3/4 the weight of aluminum, RQ is much easier to handle than traditional metal tubing. Assembly times are reduced and stress loads on connected component parts are decreased.



Manufacturing Composites since 1966

AMALGACOMPOSITES.COM

customerservice@amalgacomposites.com

West Allis, WI ISO9001:2015 Certified

Uncompromising Quality and Service Includes

LARGE INVENTORY OF TOOLING

Amalga Composites has developed an extensive inventory of tooling to meet most needs. If not available, we will quote the cost of tooling separately.

STORAGE CAPACITY

We can stock products to meet your JIT, MRP or KAN BAN requirements.

RESPONSIVE SERVICE

Call for additional technical assistance on size and price for Reservoir Quality Tubing and other composite products.

QUALITY PRODUCTS FOR THE FLUID POWER INDUSTRY

Amalga Composites, Inc. is a leader in designing, engineering and manufacturing filament wound composites to meet the tough environmental and performance requirements of the Fluid Power Industry.



RESERVOIR QUALITY (RQ™)

Translucent Pressure Tubing

...the **Better Choice**

Metric Measurement System

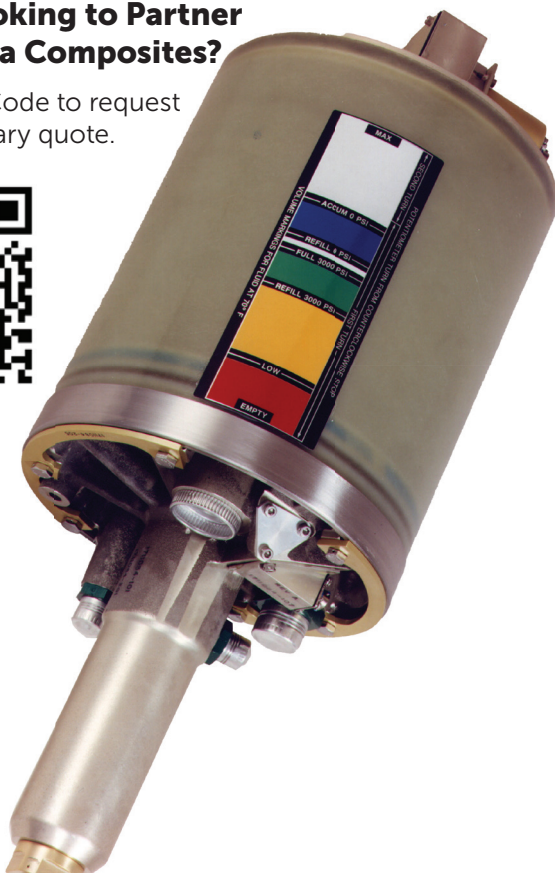
Model No. ¹	Standard Bore Size (mm)	Randon Lengths to Meters	Operating kPa Non-Tie Rod Design ²	Operating kPa Tie Rod Design ²	Kilograms Per Meter
MRQ32	32	1.52	6614	13298	0.492
MRQ40	40	1.52	5305	10680	0.805
MRQ50	50	3.05	4203	8544	0.969
MRQ63	63	3.05	3376	6752	1.223
MRQ72	72	3.05	3128	5822	1.059
MRQ80	80	3.05	2618	5305	1.640
MRQ100	100	3.05	2136	4272	1.938
MRQ125	125	3.05	1723	3445	2.385
MRQ125 A	125	3.05	2756	4754	3.578
MRQ160	160	3.05	1309	2687	2.982
MRQ160 A	160	3.05	2136	3721	4.622
MRQ200	200	3.05	1034	2136	3.727
MRQ200 A	200	3.05	1723	2963	5.665

FOOTNOTES:

1. Under 1.000-inch tooling available. Tooling constantly upgraded. Call for availability.
2. Operating pressure calculated with minimum 4:1 safety factor.

Are You Looking to Partner with Amalga Composites?

Scan the QR Code to request a complimentary quote.



Standard Measurement System

Model No. ¹	Standard Bore Size (inches)	Randon Lengths to Feet	Operating PSI Non-Tie Rod Design ²	Operating PSI Tie Rod Design ²	Weight Per Foot in LBS
RQ100	1.000	5	1220	2440	0.33
RQ112	1.125	5	1080	2170	0.37
RQ125	1.250	5	980	1950	0.41
RQ150	1.500	5	810	1620	0.50
RQ175	1.750	5	700	1390	0.56
RQ200	2.000	10	610	1200	0.66
RQ225	2.250	10	543	1000	0.75
RQ250	2.500	10	490	970	0.83
RQ275	2.750	10	440	890	0.91
RQ300	3.000	10	410	810	1.00
RQ325	3.250	10	380	750	1.10
RQ350	3.500	10	350	700	1.20
RQ375	3.750	10	330	650	1.30
RQ400	4.000	10	300	610	1.30
RQ500	5.000	10	240	490	1.70
RQ575	5.750	10	210	420	1.90
RQ600	6.000	10	200	410	2.00
RQ700	7.000	10	170	350	2.30
RQ800	8.000	10	150	300	2.70
RQ1000 A	10.000	10	190	330	5.00
RQ1200 A	12.000	10	160	280	6.00
RQ1400 A	14.000	10	140	240	7.00
RQ1600 B	16.000	10	170	270	10.70
RQ1600 C	16.000	10	210	320	13.40
RQ1800 B	18.000	10	150	240	11.50
RQ1800 C	18.000	10	190	290	15.00
RQ2000 B	20.000	10	130	220	13.50
RQ2000 C	20.000	10	170	260	17.00
RQ2400 C	24.000	8	140	220	19.10
RQ2800 D	28.000	10	120	220	36.00
RQ3000 D	30.000	8	100	200	41.40

Reservoir Quality Tubing is limited to 0.187 wall thickness to retain translucency.

Reservoir Quality Tubing is machinable and available up to 42" & 200" in length.