

Established since 1977

**No. 79**



**QUALITY**

HVAC/R REFRIGERATION  
COMPONENTS  
TOOLS & ACCESORIES.

**Product Catalogue**

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QE QUALITY® is a fully integrated design, manufacturing, and distribution company in the HVAC/R industry. We strive to provide our customers with the best products on the market while maintaining a diligent service policy. Our corporate headquarters are located in Miami, FL minutes away from Miami International Airport and the Port of Miami. These are two of the leading U.S. hubs for international destinations and domestic distribution channels.

QE QUALITY® is dedicated to continuing our efforts in becoming the global supplier for both industrial & domestic refrigeration and A/C components. The QE QUALITY® brand was established in 1975 and has since been manufacturing and wholesale distributing. Our long-term and high volume relationships have therein allowed us to forward that value to our clients. Our vast knowledge and experience in the industry have enabled us to successfully serve our clients for over 40 years.

## AIR CURTAINS



Model	Volt	Frequency	Watts	Amp	Size	CFM	Wind Speed (M/S)	Noise Db(A)	Minimum	Master Carton
QAC-36-1	115	60 Hz	180	2.61	36" x 8.5" x 8"	660	12, 10, 8	55-57	1	1
QAC-36-2	220-240	50/60 Hz	180	0.89	36" x 8.5" x 8"	660	12, 10, 8	55-57	1	1
QAC-48-1	115	60 Hz	200	3.58	48" x 8.5" x 8"	1030	12, 10, 8	56-58	1	1
QAC-48-2	220-240	50/60 Hz	200	1.15	48" x 8.5" x 8"	1030	12, 10, 8	56-58	1	1
QAC-60-1	115	60 Hz	220	3.6	60" x 8.5" x 8"	1283	12, 10, 8	57-59	1	1
QAC-60-2	220-240	50/60 Hz	220	1.43	60" x 8.5" x 8"	1283	12, 10, 8	57-59	1	1
QAC-999S	Magnetic Contact								1	1





## BATH & VENTILATION FANS



QE-F-503



QE-F-110.8



QE-F-50.8

Model	CFM	Volt/Hz	Duct Diameter	Blower Wheel	Housin	Grille	Housing Dim.	Grille Dim.	Noise (sone)	Power Consumption	Motor	Minimum	Master Carton
QE-F-503	50	120/60	3"	HIGH TEMP PP	GALVANIZED	ABS WHITE	7.2" L X 7.5" W X 3.7" H	8.6" L X 8.6" W X .47" H	3	45 W / .38 AMPS	AC	1	12
QE-F-50.8	50	120/60	4"	HIGH TEMP PP	FLAME RET. ABS	FLAME RET. WHITE	9.05" L X 8.5" W X 3.94" H	11.7" L X 10.7" W X .94" H	0.8	19 W / .16 AMPS	AC	1	12
QE-F-110.8	110	120/60	6"	HIGH TEMP PP	GALVANIZED	ABS WHITE	10.3" L X 10.3" W X 8" H	13.4" L X 13.4" W X .79" H	0.8	35 W / .28 AMPS	AC	1	4
QE-F-701.5	70	120/60	4"	HIGH TEMP PP	FLAME RET. ABS	FLAME RET. WHITE	9.05" L X 8.5" W X 3.94" H	11.7" L X 10.7" W X 0.94" H	1.5	24 W			

## BRACKETS (A/C MOUNT)



Model	Vertical	Horizontal	Weight Resistance	Description	Minimum	Master Carton
QBR-15.5	16"	15.5"	265 lbs.	12K & 18K BTU	6	6
QBR-19.5	16"	19.5"	441 lbs.	24K BTU	6	6
QBR-15.5-SS	16"	15.5"	265 lbs.	12K & 18K BTU	6	6
QBR-19.5-SS	16"	19.5"	441 lbs.	24K BTU	6	6



## CAPACITORS



**QE DUAL VOLTAGE RUN CAPACITORS  
(370/440 VOLTS)**

Model	MFD	Diameter	Height	Minimum	Master Carton
5-4D	5	1.7"	2.2"	10	50
7.5-4D	7.5	1.7"	2.2"	50	50
10-4D	10	1.7"	2.5"	50	50
12.5-4D	12.5	1.7"	2.6"	50	50
15-4D	15	1.9"	2.6"	50	50
17.5-4D	17.5	1.9"	2.6"	50	50
20-4D	20	1.9"	2.8"	50	50
20/5-4D	20+5	1.9"	2.8"	1	50
25-4D	25	1.9"	3.3"	50	50
25/5-4D	25+5	1.9"	3.3"	1	50
25/7.5-4D	20+7.5	1.9"	3.3"	1	50
30-4D	30	1.9"	3.7"	50	50
30/5-4D	30+5	2.1"	3.8"	1	50
30/7.5-4D	30+7.5	2.1"	3.8"	1	50
35-4D	35	1.9"	3.7"	50	50
35/5-4D	35+5	2.1"	3.8"	1	50
35/7-4D	35+7	2.1"	3.8"	1	50
40-4D	40	2.1"	3.7"	10	50
40/5-4D	40+5	2.1"	4.2"	1	50
45-4D	45	2.1"	4"	10	50
45/5-4D	45+5	2.1"	4.2"	1	50
45/7.5-4D	45+7.5	2.1"	4.2"	1	50
50-4D	50	2.1"	4"	10	50
50/5-4D	50+5	2.1"	4.6"	1	50
50/7.5-4D	50+7.5	2.1"	4.6"	1	50
55-4D	55	2.3"	4"	10	50
55/5-4D	55+5	2.1"	5.2"	1	50
55/7.5-4D	55+7.5	2.1"	5.2"	1	50
60-4D	60	2.3"	4"	10	50
60/5-4D	60+5	2.1"	5.2"	1	50
60/7.5-4D	60+7.5	2.1"	5.2"	1	50
65-4D	65	2.5"	4"	10	50
70-4D	70	2.5"	4"	1	50
70/5-4D	70+5	2"	5.5"	1	50
80-4D	80	2"	5.5"	1	50
80/5-4D	80+5	2"	5.5"	1	50
85-4D	85	2"	5.5"	50	50



### QE MINI-SPLIT CAPACITORS (450 VOLTS)

Model	MFD	Voltage	Minimum	Master Carton
1-450E	1	450	100	500
1.5-450E	1.5	450	100	500
2-450E	2	450	100	500
2.5-450E	2.5	450	100	500
3-450E	3	450	100	500
3.5-450E	3.5	450	100	500
4-450E	4	450	100	500
4.5-450E	4.5	450	100	500
5-450E	5	450	100	500
6-450E	6	450	100	500



### QE START CAPACITORS (110-125 VOLTS)

Model	MFD	Diameter	Height	Minimum	Master Carton
72-86-1B	72-86	1.5"	2.75"	1	50
88-106-1B	88-106	1.5"	2.75"	1	100
108-130-1B	108-130	1.5"	2.75"	1	100
124-149-1B	124-149	1.5"	2.75"	1	100
130-154-1B	130-154	1.5"	2.75"	1	100
145-174-1B	145-174	1.5"	2.75"	1	100
161-193-1B	161-193	1.5"	2.75"	1	100
189-227-1B	189-227	1.5"	2.75"	1	100
216-259-1B	216-259	1.5"	2.75"	1	100
233-280-1B	233-280	1.5"	2.75"	1	100
243-292-1B	243-292	1.5"	2.75"	1	100
270-324-1B	270-324	1.5"	2.75"	1	100
324-389-1B	324-389	1.75"	3.5"	1	100
340-408-1B	340-408	1.75"	3.5"	1	100
378-454-1B	378-454	1.75"	3.5"	1	100
400-480-1B	400-480	1.75"	3.25"	1	100
430-516-1B	430-516	1.75"	3.25"	1	100
460-552-1B	460-552	1.75"	3.25"	1	100
540-648-1B	540-648	1.75"	4.5"	1	100
590-708-1B	590-708	1.75"	3.25"	1	100
708-850-1B	708-850	1.75"	3.5"	1	64
829-995-1B	829-995	1.75"	3.5"	1	64
1000-1200-1B	1000-1200	2"	4.5"	1	64



### QE START CAPACITORS (220-250 VOLTS)

Model	MFD	Height	Diameter	Minimum	Master Carton
72-86-2B	72-86	2.75"	1.5"	1	25
88-106-2B	88-106	2.75"	1.5"	1	50
108-130-2B	108-130	2.75"	1.5"	1	50
124-149-2B	124-149	2.75"	1.5"	1	50
130-156-2B	130-156	2.75"	1.5"	1	50
145-174-2B	145-174	3.5"	1.5"	1	50
161-193-2B	161-193	3.5"	1.5"	1	50
189-227-2B	189-227	3.5"	1.5"	1	50
216-259-2B	216-259	3.25"	2"	1	25
233-280-2B	233-280	3.25"	2"	1	50
243-292-2B	243-292	3.25"	2"	1	50
270-324-2B	270-324	3.25"	2"	1	50
340-408-2B	340-408	4.5"	2"	1	25
378-440-2B	378-440	4.5"	2"	1	25
400-480-2B	400-480	4.5"	2"	1	25



### QE START CAPACITORS (330 VOLTS)

Model	MFD	Diameter	Height	Minimum	Master Carton
88-106-3B	88-106	1.75"	4.5"	1	25
108-130-3B	108-130	1.75"	4.5"	1	50
124-149-3B	124-149	1.75"	4.5"	1	50
130-156-3B	130-156	1.75"	4.5"	1	50
145-174-3B	145-174	1.75"	4.5"	1	50
161-193-3B	161-193	1.75"	4.5"	1	50
189-227-3B	189-227	1.75"	4.5"	1	50
216-260-3B	216-260	1.75"	4.5"	1	50
270-324-3B	270-324	1.75"	4.5"	1	50



## CHEMICALS

### LEAK DETECTOR (REDFINDER)

Model	Type	Refrigerant	Description	Minimum	Master Carton
QRF-4	Liquid	R-12, R-22, R-134A	4 oz. bottle	25	25



### VACUUM PUMP MINERAL OIL

Model	Description	Minimum	Master Carton
QVO-700-Q	1 quart / .95 liter	12	12
QVO-700-G	1 gallon / 3.78 liters	6	6

### MINERAL REFRIGERATION OIL

Model	Description	Viscosity	Replaces	Minimum	Master Carton
QRO-150-Q	1 quart / .95 liter	150	Suniso 3 GS / Capella 150	12	12
QRO-150-G	1 gallon / 3.78 liters	150	Suniso 3 GS / Capella 150	6	6
QRO-300-Q	1 quart / .95 liter	300	Suniso 4 GS / Capella 300	12	12
QRO-300-G	1 gallon / 3.78 liters	300	Suniso 4 GS / Capella 300	6	6



### POLYOL ESTER REFRIGERATION OIL

Model	Description	Viscosity	Minimum	Master Carton
QRO-134-Q	1 quart / .95 liter	32	12	12

## CLEANING COVER



Model	Size	Master Carton
QPW-918	FITS: 9000, 12000, AND 18000 BTU	50
QPW-1836	FITS: 18000, 24000, AND 36000 BTU	40



## COLD STORAGE HINGES



### 6" REACH-IN OFFSET DOOR HINGE

Model	Minimum	Master carton
QKH-6	2	60



### 7" SELF-CLOSING EDGEMOUNT HINGE

Model	Minimum	Master Carton
QKH-7	1	50



### REACH-IN OFFSET DOOR HINGE

Model	Size	Adjustable height	Minimum	Master carton
QKH-10	10"	1-1/4" to 2-3/8"	2	24
QKH-13	13"	1-9/16" to 2-3/4"	2	12



## COLD STORAGE LAMPS

### COLD STORAGE SURFACE LAMPS

Model	Size	Source	Minimum	Master carton
QKF-8	8"	40 Watts Max	6	12
QKF-10	10"	60 Watts Max	6	12



### COLD STORAGE LAMPS

Model	Minimum	Master carton
QKV-1802	10	20

## COLD STORAGE LATCHES

### LEVER & ROLLER LATCH



Model	Minimum	Size	Master carton
QKL-6	2	6"	50

### EDGEMOUNT MECHANICAL LATCH



Model	Minimum	Size	Master carton
QKL-10	2	10"	40

### COMPLETE LATCH SET W/ INSIDE RELEASE



Model	Minimum	Size	Master carton
QKL-12	2	12"	12

## COMPRESSORS



### FRACTIONAL COMPRESSORS R-134A COMPRESSORS ARE SOLD IN INDIVIDUAL BOXES

Model	HP	Volts	Hz	BTU	AMPS	Ambient Temp.	Minimum	Master Carton
QCF-12A	1/2	110-120	50/60	1194	4	90 F / 32 C	1	100
QCF-13A	1/3	110-120	50/60	819	2.7	90 F / 32 C	1	100
QCF-14A	1/4	110-120	50/60	710	2.3	90 F / 32 C	1	100
QCF-15A	1/5	110-120	50/60	546	1.8	90 F / 32 C	1	100
QCF-16A	1/6	110-120	50/60	464	1.6	90 F / 32 C	1	100



#### ROTARY COMPRESSOR R-22

Model	Description
QCR-12602GR	12,000 BTU ROTARY GREE R22
QCR-18602GR	18,000 BTU ROTARY GREE R22
QCR-24602GR	24,000 BTU ROTARY GREE R22

#### ROTARY COMPRESSOR R-410

Model	Description
QCR-12602GR-4	12,000 BTU ROTARY GREE R410
QCR-18602GR-4	18,000 BTU ROTARY GREE R410
QCR-24602GR-4	24,000 BTU ROTARY GREE R410
QCR-36602GR-4	36,000 BTU ROTARY GREE R410
QCR-36602-4	36,000 BTU ROTARY SAMSUNG R410

#### ROTARY COMPRESSOR R-410 INVERTER

Model	Description
QCR-12602GR-4I	12,000 BTU ROTARY INVERTER GREE R410
QCR-18602GR-4I	18,000 BTU ROTARY INVERTER GREE R410



ROTARY COMPRESSORS R-410

Model	Freon	Volt/Hz	Capacitor	Minimum	Master Carton
QCR-24602-4	R-410	208-230/60	45-4E	1	40
QCR-36602-4	R-410	208-230/60	50-4D	1	20



TECUMSEH  
RECIPROCATING COMPRESSOR R22

Model	Description
AVB5538EXN	R-22 208-230V 50/60 HZ
AVB5549EXN	R-22 208-230V 50/60 HZ
AVB5558EXN	R-22 208-230V 50/60 HZ
AVB5558EXT	R-22 208-230V 50/60 HZ
ALL TECUMSEH PRODUCTS AVAILABLE UPON REQUEST	

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### SCROLL COMPRESSORS R-22

Model	Volts	Ph	Hz	Capacity	TR (Tons)	Capacitor	Refrigerant	Minimum	Master Carton
C-SBR120H16A	208-230	1	60	39,900	3.4	50-4E	R-22	1	24
C-SBR145H16A	208-230	1	60	48,800	4.1	50-4E	R-22	1	24
C-SBR165H16A	208-230	1	60	57,000	4.8	70-4E	R-22	1	24
C-SBR180H16A	208-230	1	60	61,800	5.2	80-4E	R-22	1	24
C-SB353H6B	208-230	3	60	57,000	4.8	--	R-22	1	24
C-SB373H6B	208-230	3	60	61,800	5.2	--	R-22	1	24
C-SB453H6B	208-230	3	60	74,100	6.2	--	R-22	1	24
C-SC583H6H	208-230	3	60	95,300	8	--	R-22	1	9
C-SC603H6H	208-230	3	60	101,100	8.5	--	R-22	1	9
C-SC753H6H	208-230	3	60	127,700	10.6	--	R-22	1	9

### SCROLL COMPRESSORS R-410

Model	Volts	Ph	Hz	Capacity BTU/H	TR (Tons)	Capacitor	Refrigerant	Minimum	Master Carton
C-SBP140H16A	208-230	1	60	48,450 / 48,792	4.1	60 MFD / 440 V	R-410A	1	24
C-SBP160H16A	208-230	1	60	53,227 / 53,910	4.5	60 MFD / 440 V	R-410A	1	24
C-SBP160H36A	208-230	3	60	54,592 / 54,933	4.5	--	R-410A	1	24
C-SBP170H36A	208-230	3	60	59,028 / 59,369	5	--	R-410A	1	24
C-SBP105H16A	208-230	1	60	35,826	3	60 MFD / 440 V	R-410A	1	24
C-SBP120H36A	208-230	3	60	41,626	3.5	--	R-410A	1	24
C-SBP140H36A	208-230	3	60	48,109 / 48,450	4	--	R-410A	1	24
C-SBP170H16Y	208-230	1	60	56,980 / 58,004	5	60 MFD / 440 V	R-410A	1	24

## CONTACTORS

### DEFINITE PURPOSE CONTACTORS (2 POLES)



Model	Coil Voltage 50/60 Hz	Sealed VA Rating	Amp Rating	Line Voltage	Weight	Minimum	Master Carton
QCA-252	24	4.5	25	240-277	.6 lbs.	1	25
QCC-252	208-240	4.5	25	600	.6 lbs.	1	50
QCA-302	24	4.5	30	240-277	.6 lbs.	1	25
QCB-302	120	4.5	30	480	.6 lbs.	1	25
QCC-302	208-240	4.5	30	600	.6 lbs.	1	25
QCA-402	24	4.5	40	240-277	.6 lbs.	1	25
QCB-402	120	4.5	40	480	.6 lbs.	25	25
QCC-402	208-240	4.5	40	600	.6 lbs.	1	25

### DEFINITE PURPOSE CONTACTORS (3 POLES)



Model	Coil Voltage 50/60 Hz	Sealed VA Rating	Amp Rating	Line Voltage	Weight	Minimum	Master Carton
QCA-303	24	6	30	240-277	1 lb.	25	25
QCB-303	110-120	6	30	480	1 lb.	25	25
QCC-303	208-240	6	30	600	1 lb.	25	25
QCA-403	24	6	40	240-277	1 lb.	25	25
QCB-403	110-120	6	40	480	1 lb.	25	25
QCC-403	208-240	6	40	600	1 lb.	25	25
QCA-503	24	14	50	240-277	2 lbs.	1	24
QCB-503	110-120	14	50	480	2 lbs.	1	24
QCC-503	208-240	14	50	600	2 lbs.	1	24
QCA-603	24	14	60	240-277	2 lbs.	1	24
QCB-603	110-120	14	60	480	2 lbs.	1	24
QCC-603	208-240	14	60	600	2 lbs.	1	24
QCA-753	24	27	75	240-277	4 lbs.	1	12
QCB-753	110-120	27	75	480	4 lbs.	1	12
QCC-753	208-240	27	75	600	4 lbs.	1	12



## CONTROLS

### COLD CONTROLS



Model	Range	Capillary Lgth	Function	Minimum	Master Carton
QCC-1038	0 / -26 / -2	24 "	Refrigerators & Commercial Displays	50	50
QCC-1102	0 / -26 / -2	48 "	Dual Temp. Refrigerators	50	50
QCC-1117	-34 / -12 / 16.5	48 "	Refrigerators	50	50
QCC-1125	9.5 / -18 / 8.5	48 "	Refrigerators	50	50
QCC-1126	-18 / -24 / -9.5	48 "	Freezers	50	50
QCC-1127	5 / 1.5 / 12.5	48 "	Bottle / Cooler Displays	50	50
QCC-1133	-9.5 / -18 / 9.5	48 "	Refrigerators	50	50
QCC-4830	0 / -24 / 4	40 "	Dual Temp. Refrigerators	1	50



QTH-008



QTH-1884

### ROOM A/C THERMOSTAT CONTROLS

Model	Range	Capillary Lgth	Function	Minimum	Master Carton
QTH-004	90/50	48 "	Room A / C	10	100
QTH-008	90/50	18 "	Room A / C	10	100
QTH-36	92/62	18 "	Mini-splits	1	75
QTH-1884	92/62	18 "	Room A / C	1	100



QTH-36



### PRESSURE CONTROLS (QE)

Model	Function	Range	Differential	Capillary Lgth	Reset	Minimum	Master Carton
QPC-200	High / Low Pressure	150-450	Manual	48 "	Manual	1	20
QPC-402	Low Pressure	12" to 50	5-35	36 "	Auto	1	20
QPC-483	Low Pressure	10" to 1000	10 to 40	36 "	Auto	1	20
QPC-549	Dual Pressure	10" to 100/ 150 to 450	10 to 40/70 fixed	36 "	Auto	1	20
QPC-601	Oil Pressure	60 Sec.	adjustable	36 "	Manual	1	20
QPC-701	Oil Pressure	90 Sec.	8 to 60	36 "	Manual	1	20
QPC-826	Oil Pressure	120 Sec.	9 Fixed	36 "	Manual	1	20
QPC-834	Dual Pressure	10" to 100/ 150 to 450	10 to 40/70 fixed	48 "	Convertible	1	20

### PRESSURE CONTROLS (RANCO)



Model	Function	Range	Differential	Capillary Lgth	Reset	Minimum	Master Carton
010-1402	Low Pressure	12 " to 50	5 to 35	36 "	Auto	1	21
010-1483	Low Pressure	10 "100	10 to 40	36 "	Auto	1	21
012-1502	Dual Pressure	12" to 50 / 150 to 450	5 to 35 / 70 fixed	36 "	Auto	1	18
012-1506	Dual Pressure	12" to 50 / 150 to 450	5 to 35 / 70 fixed	36 "	Auto	1	18
012-1549	Dual Pressure	10" to 100 / 150 to 450	10 to 40 / 70 fixed	36 "	Auto	1	18
012-1594	Dual Pressure	10" to 100 / 150 to 450	10 fixed / 70 fixed	36 "	Manual	1	18
012-4834	Dual Pressure	10" to 100 / 150 to 450	10 to 40 / 70 fixed	48 "	Convertible	1	18
016-200	High Pressure	150 to 450	40 Fixed	48 "	Manual	1	21
G20-4051	High / Low Pressure	7-77	19 to 70	60 "	Auto	1	1
P30-3601	Oil Pressure	60 sec.	8 to 60 Adj.	36 "	Manual	1	20
P30-3701	Oil Pressure	90 Sec.	8 to 60 Adj.	36 "	Manual	1	24
P30-5826	Oil Pressure	120 Sec.	9 Fixed	36 "	Manual	1	24



### MINI PRESSURE CONTROLS

Model	OPEN	CLOSE	Function	Minimum	Master Carton
QPL-200	25 ± 5 PSI	80 ± 6 PSI	Low Pressure	20	240
QPH-202	350 ± 10 PSI	250 ± 15 PSI	High Pressure	20	240
QPL-410	80 ± 5 PSI	130 ± 5 PSI	Low Pressure / 5' leads	20	240
QPH-410	550 ± 15 PSI	450 ± 15 PSI	High Pressure / 5' leads	20	240

### MINI SPLIT CONTROL BOARDS WITH REMOTE



Model	Stages	Function	Description	Minimum	Master Carton
QTH-700W	2 Speeds	Cool Only	includes transformer	1	40
QTH-999	3 Speeds	Heat/Cool	5 modes / includes transformer / 3' cable (115/220V)	1	40
QTH-10A	3 speeds / up to 5 HP	Heat/Cool	5 modes / 2 sensors / 3' cable / includes transformer	1	25



### MINI SPLIT CONTROL BOARDS FOR INVERTER A/C

Model	Stages	Function	Description	Minimum	Master Carton
QTH-999I	3 Speeds	Heat/Cool	5 modes / 2 sensors / indoor and outboard board / includes transformer	1	10



### MINI SPLIT UNIVERSAL REMOTE CONTROLS

Model	Codes	Function	Minimum	Master Carton
QTH-208	208	Mini-Splits / A/C Units	25	100
QTH-4000	4000	Mini-Splits / A/C Units	50	100



### RANCO DIGITAL TEMPERATURE CONTROLS

Model	Stages	Relays	Volts	AMPS	Minimum	Master Carton
ETC-111000	1	1	120/208/240	16-ago	1	24
ETC-211000	2	2	120/208/240	9,8 / 4	1	24



### RANCO DOMESTIC COLD CONTROLS

Model	Range	Capillary Lg	Function	Minimum	Master Carton
A22-1114	60-91	54 "	Room A/C	1	60
A30-1952			Room A/C	1	192
A30-2187			Room A/C	1	
A30-X451	58-86	36 "	Control	1	



### RANCO ICE MACHINE PARTS

Model	Range °F	Capillary Lg	Sensing Element	Function	Minimum	Master Carton
A22-1129	35 a 51	48 "	Capillary	Bin Level	1	1
A30-180	38 a 4	42 "	Capillary	Adaptable	1	1
A30-2210	42 a 30	48 "	Capillary	Direct	1	80





## COPPER TUBING



### FLEXIBLE COPPER TUBING R-410A (50')



Model	Outside Diameter	Wall Thickness	Weight	Minimum	Master Carton
1/4S	1/4"	.030" / .76 MM	4.2 lbs.	15	15
5/16S	5/16"	.032" / .81 MM	5.5 lbs.	10	10
3/8S	3/8"	.032" / .81 MM	6.7 lbs.	10	10
1/2S	1/2"	.032" / .81 MM	9.1 lbs.	10	10
5/8S	5/8"	.035" / .89 MM	12.5 lbs.	8	8
3/4S	3/4"	.035" / .89 MM	15.3 lbs.	5	5

### FLEXIBLE COPPER TUBING (50')

Model	O.D. (Inches) / (MM)	Wall Thick (MM)	Coil Weight (KGS)	SD = 33,9 / 50 a / 75 ° C	SD = 32,7 / 100 a / 125 ° C	SD = 28 / 150 a / 175 ° C	SD = 21,9 / 175 a / 200 ° C	Minimum	Master Carton
1/4R	1/4" / 6.35	.024" / .61	1.49	5795	5640	4830	3775	15	15
5/16R	5/16" / 7.94	.024" / .61	1.91	4620	4450	3800	2980	10	10
3/8R	3/8" / 9.53	.024" / .61	2.32	3795	3660	3130	2450	10	10
1/2R	1/2" / 12.70	.024" / .61	3.15	2800	2700	2315	1810	10	10
5/8R	5/8" / 15.88	.028" / .71	4.6	2840	2740	2340	1830	8	8
3/4R	3/4" / 19.05	.028" / .71	5.56	2340	2260	1940	1500	5	5
7/8R	7/8" / 22.00	.036" / .91	8.28	2595	2500	2145	1670	4	4
1-1/8R	1-1/8" / 28.58	.045" / 1.11	13.42	--	--	--	--	3	3

### CAPILLARY COPPER TUBING (100')



Model	(I.D.) x Outside (O.D.)	Coil Weight (lbs.)	Minimum	Master Carton
QCT-26	.026" x .07"	1.37 lbs.	20	20
QCT-31	.031" x .083"	1.81 lbs.	20	20
QCT-36	.036" x .087"	1.91 lbs.	20	20
QCT-42	.042" x .093"	2.10 lbs.	20	20
QCT-49	.049" x .099"	2.25 lbs.	20	20
QCT-50	.050" x .114"	3.20 lbs.	10	10
QCT-54	.054" x .106"	2.53 lbs.	15	15
QCT-59	.059" x .112"	2.76 lbs.	15	15
QCT-64	.064" x .125"	3.51 lbs.	10	10
QCT-70	.070" x .125"	3.27 lbs.	10	10
QCT-75	.075" x .125"	3.06 lbs.	10	10
QCT-80	.080" x .145"	3.98 lbs.	5	5

## FAN BLADES & HUBS



### 4 BLADE FAN BLADES (1/2" HUB INCLUDED)

Model	Diameter	Blades / Paletas	Pitch	Rotation	Minimum	Master Carton
QFB-12234CW	12"	4	23	CW	4	4
QFB-12234CCW	12"	4	23	CCW	4	4
QFB-14234CW	14"	4	23	CW	4	4
QFB-14234CCW	14"	4	23	CCW	4	4
QFB-16234CW	16"	4	23	CW	4	4
QFB-16274CW	16"	4	27	CW	4	4
QFB-16234CCW	16"	4	23	CCW	4	4
QFB-16274CCW	16"	4	27	CCW	4	4
QFB-18234CW	18"	4	23	CW	4	4
QFB-18274CW	18"	4	27	CW	4	4
QFB-18274CCW	18"	4	27	CCW	4	4
QFB-20234CW	20"	4	23	CW	4	4
QFB-20274CW	20"	4	27	CW	4	4
QFB-22234CW	22"	4	23	CW	4	4
QFB-22274CW	22"	4	27	CW	4	4
QFB-24234CW	24"	4	23	CW	4	4
QFB-24274CW	24"	4	27	CW	4	4
QFB-24234CCW	24"	4	23	CCW	4	4



### 5 BLADE FAN BLADES (5/16" HUB INCLUDED)

Model	Hub	Diameter	Pitch	Rotation	Minimum	Master Carton
QFB-1002	5/16"	10"	20	CW	10	10
QFB-1003	5/16"	10"	20	CCW	10	10
QFB-1202	5/16"	12"	25	CW	10	10
QFB-1203	5/16"	12"	25	CCW	10	10



### LAU FAN BLADES (HUB NOT INCLUDED)



Model	Diameter	Pitch	Number Of Blades	Rotation	Minimum	Master Carton
1023-4 CCW	10"	23	4	CCW	2	2
1023-4 CW	10"	23	4	CW	2	2
1027-4 CCW	10"	27	4	CCW	2	2
1027-4 CW	10"	27	4	CW	2	2
1223-4 CCW	12"	23	4	CCW	2	2
1223-4 CW	12"	23	4	CW	2	2
1227-4 CCW	12"	27	4	CCW	2	2
1227-4 CW	12"	27	4	CW	2	2
1233-4 CCW	12"	33	4	CCW	2	2
1423-4 CCW	14"	23	4	CCW	2	2
1423-4 CW	14"	23	4	CW	2	2
1427-4 CCW	14"	27	4	CCW	2	2
1427-4 CW	14"	27	4	CW	2	2
1623-4 CCW	16"	23	4	CCW	2	2
1623-4 CW	16"	23	4	CW	2	2
1627-4 CCW	16"	27	4	CCW	2	2
1627-4 CW	16"	27	4	CW	2	2
1823-4 CCW	18"	23	4	CCW	2	2
1823-4 CW	18"	23	4	CW	2	2
1827-4 CW	18"	27	4	CW	2	2
1833-4 CCW	18"	33	4	CCW	2	2
2023-4 CW	20"	23	4	CW	2	2
2023-4 CCW	20"	23	4	CCW	2	2
2027-4 CW	20"	27	4	CW	2	2
2033-4 CCW	20"	33	4	CCW	2	2
2033-4 CW	20"	33	4	CW	2	2
2223-4 CCW	22"	23	4	CCW	2	2
2223-4 CW	22"	23	4	CW	2	2
2423-4 CCW	24"	23	4	CCW	2	2
2423-4 CW	24"	23	4	CW	2	2
2427-4 CW	24"	27	4	CW	2	2
2827-4 CCW	28"	27	4	CCW	2	2
2827-4 CW	28"	27	4	CW	1	1
3025-4 CW	30"	25	4	CW	1	1

### INTERCHANGEABLE HUBS



Model	LAU Part #	Bore	Minimum	Master Carton
QAH-14	60-7658-01	1/4"	12	12
QAH-516	60-7658-02	5/16"	12	12
QAH-38	60-7658-03	3/8"	12	12
QAH-12	60-7658-04	1/2"	12	12
QAH-58	60-7658-05	5/8"	12	12
QAH-34	60-7658-06	3/4"	12	12

## FILTERS

### HOG HAIR FILTERS



Model	Size	Material	Color	Minimum	Master Carton
QFH-3030-16N	30" x 30' x 1"	Synthetic	Light Blue	5	5
QFH-2530-2	25" x 30' x 2'	Synthetic	Light Blue	5	5

### EXPANDED ALUMINUM FILTERS



Model	Size	Minimum	Master Carton
QFA-1524A	15" x 24" x 1/4"	80	80

### FOAM FILTERS



Model	Size	Minimum	Master Carton
QFA-1524F	15" x 24" x 1/4"	400	400

### WATER FILTRATION KIT



Model	Size	Filter Type	Minimum	Master Carton
QFC-2X1	10"	Carbon & Resin Bonded Cellulose Melamine	12	12

### WATER FILTER CARTRIDGES



Model	Lgth	Type Of Cartridge	Minimum	Master Carton
QWC-101	9-3/4"	Cellulose / Carbon	1	25
QWC-102	9-3/4"	Granular Activated Carbon	1	25
QWC-2X1	9-3/4"	Carbon & Resin Bonded Cellulose Melamine	1	25



### ICE MAKER WATER FILTER

Model	Description	Minimum	Master Carton
QFC-2000K	Filter Only	25	25
QFV-2K	Filter Installation Kit	25	50
QFV-2	Self Tapping Saddle Valve	25	100



### WATER FOUNTAIN BUBBLER VALVE

Model	Minimum	Master Carton
QV7-800N	1	25

## FILTER DRIERS



QDX-410



QDX-134A

QDX-4

QDX-25

QDX-31

QDX-36

### BI DIRECTIONAL FILTER DRIERS

Model	Grams	Gas	Description	Connection	Minimum	Master Carton
QDX-410	15 (HX-11)	R407C, R410A	GRANULAR DIA. 19 / 1.6" WELDING TUBE	1/4"	25	300
QDX-134A	15	R12, R22, R502, R134A, R407C	GRANULAR DIA. 19 / 1.6" WELDING TUBE	1/4"	25	300
QDX-4	25	R12, R22, R502, R134A, R407C	GRANULAR DIA. 29 / 2.4" WELDING TUBE	3/16", 1/4", 5/16"	25	200
QDX-25	25	R12, R22, R502, R134A, R407C	GRANULAR DIA. 24 / 1.6" WELDING TUBE	1/4" (Access Valve)	25	300
QDX-31	31	R12, R22, R502, R134A, R407C	GRANULAR DIA. 24 / 1.6" WELDING TUBE	1/4"	25	300
QDX-36	Strainer	ALL	DIA. 19	3/8" INLET x .036"	25	25

### FILTER DRIER SHELLS (TAKE APART)



Model	Connection	Description	Minimum	Master Carton
QDC-58	5/8" ODF	1 core	1	6
QDC-78	7/8" ODF	1 core	1	6
QDC-118	1-1/8" ODF	1 core	1	6
QDC-138	1-3/8" ODF	1 core	1	6
QDC-158	1-5/8" ODF	1 core	1	6
QDC-138-2	1-3/8" ODF	2 cores	1	6
QDC-158-2	1-5/8" ODF	2 cores	1	6



### FILTER CORE

Model	Size	Minimum	Master Carton
QH-48	1-3/4" I.D., 3-3/4" O.D., and 5-1/2" lgth	12	12

### SUCTION LINE FILTERS



Model	Size	Minimum	Master Carton
QDS-34VV	3/4" ODF	1	25
QDS-58VV	5/8" ODF	1	25
QDS-78VV	7/8" ODF	1	25
QDS-118VV	1-1/8" ODF	1	25
QDS-138VV	1-3/8" ODF	1	10



### FILTER DRIERS



Model	Size	Capacity (TONS) R-404a	Capacity (TONS) R-410a	Connection	Cubic Inches	Minimum	Master Carton
QDM-032	1/4" SAE	1.45	2.21	FLARE	3	25	25
QDM-032S	1/4" ODF	1.98	2.88	SOLDER	3	25	25
QDM-052	1/4" SAE	1.52	2.32	FLARE	5	25	25
QDM-052S	1/4" ODF	1.52	2.32	SOLDER	5	25	25
QDM-053	3/8" SAE	2.54	3.85	FLARE	5	25	25
QDM-082	1/4" SAE	1.69	2.28	FLARE	8	25	25
QDM-083	3/8" SAE	2.94	4.35	FLARE	8	25	25
QDM-083S	3/8" ODF	3.29	4.88	SOLDER	8	25	25
QDM-163	3/8" SAE	2.78	4.25	FLARE	16	25	25
QDM-163S	3/8" ODF	3.16	4.79	SOLDER	16	25	25
QDM-164	1/2" SAE	5.23	7.81	FLARE	16	25	25
QDM-164S	1/2" ODF	6.21	9.22	SOLDER	16	25	25
QDM-165	5/8" SAE	7.01	10.45	FLARE	16	25	25
QDM-165S	5/8" ODF	7.01	10.45	SOLDER	16	25	25
QDM-303	3/8" SAE	3.16	4.71	FLARE	30	1	10
QDM-304	1/2" SAE	5.92	8.89	FLARE	30	1	10
QDM-304S	1/2" ODF	5.92	8.89	SOLDER	30	1	10
QDM-305	5/8" SAE	7.74	11.56	FLARE	30	1	10
QDM-305S	5/8" ODF	9.12	13.52	SOLDER	30	1	10
QDM-415	5/8" SAE	8.74	13.05	FLARE	41	1	10
QDM-415S	5/8" ODF	8.74	13.05	SOLDER	41	1	10
QDM-417S	7/8" ODF	14.78	22.01	SOLDER	41	1	10



## FITTINGS

### COPPER FITTINGS STANDARD ASTM B 280 (HEAVY)



#### STREET 90° ELBOW LONG RADIUS

Model	Size O.D. (Inches)	Replaces Mueller Number	Minimum	Master Carton
1072012	1/2 "	W-2817	100	1500
1072034	3/4 "	W-2828	25	400
1072058	5/8 "	W-2822	50	800
1072078	7/8 "	W-2834	25	300
1072118	1-1 / 8 "	W-2847	25	150

#### WROT 45° ELBOW



Model	Size O.D. (Inches)	Replaces Mueller Number	Minimum	Master Carton
106038	3/8 "	W-3012	100	1000
106058	5/8 "	W-3026	50	700
106034	3/4 "	W-3030	50	600
106078	7/8 "	W-3034	25	400
106118	1-1 / 8 "	W-3044	20	200
106138	1-3 / 8 "	W-3050	10	120
106158	1-5 / 8 "	W-3055	10	80
106218	2-1 / 8 "	W-3059	1	40
106012	1/2 "		50	400
106258	2-5 / 8 "		1	10

#### WROT 90° ELBOW CLOSE RUFF



Model	Size O.D. (Inches)	Replaces Mueller Number	Minimum	Master Carton
107C014	1/4 "	W-2003	100	800
107C038	3/8 "	W-2009	100	4000
107C012	1/2 "	W-2017	100	2000
107C058	5/8 "	W-2022	50	1000
107C034	3/4 "	W-2028	50	600
107C078	7/8 "	W-2034	25	400
107C118	1-1 / 8 "	W-2047	20	180
107C138	1-3 / 8 "	W-2084	5	120
107C158	1-5 / 8 "	W-2085	5	70
107C218	2-1 / 8 "	W-2086	1	40
107C258	2-5 / 8 "	W-2087	1	20

### WROT 90° ELBOW LONG RADIUS



Model	Size OD Inches	Replaces Mueller Number	Minimum	Master Carton
107L012	1/2 "	W-2717	100	100
107L058	5/8 "	W-2722	50	400
107L078	7/8 "	W-2734	25	300
107L118	1-1 / 8 "	W-2747	10	140
107L138	1-3 / 8 "	W-2755	5	60
107L158	1-5 / 8 "	W-2763	2	50
107L218	2-1 / 8 "	W-2772	1	16
107L258	2-5 / 8 "	W-2782	1	8
107L134	1-3 / 4 "		2	30
107L014	1/4 "	W-2715	5	100
107L034	3/4 "	W-2728	25	250
107L038	3/8 "	W-2716	100	700

### WROT COUPLING



Model	Size O.D. (Inches)	Replaces Mueller Number	Minimum	Master Carton
100014	1/4 "	W-10141	100	3100
100038	3/8 "	W-10143	100	1100
100012	1/2 "	W-10144	100	2600
100058	5/8 "	W-10145	100	1200
100034	3/4 "	W-10157	50	1000
100078	7/8 "	W-10146	50	600
100118	1-1 / 8 "	W-10147	25	300
100138	1-3 / 8 "	W-10148	10	200
100158	1-5 / 8 "	W-10149	10	120
100218	2-1 / 8 "	W-10150	1	50

### WROT SUCTION-LINE P-TRAP



Model	Size O.D. (Inches)	Replaces Mueller Number	Minimum	Master Carton
123058	5/8 "	W-60999	1	100
123034	3/4 "	W-61008	1	25
123078	7/8 "	W-61000	1	25
123118	1-1 / 8 "	W-61001	1	20
123138	1-3 / 8 "	W-61002	1	10
123158	1-5 / 8 "	W-61003	1	8
123218	2-1 / 8 "	W-61009	1	3





WROT REDUCING COUPLING



Model	Size O.D. (Inches)	Replaces Mueller Number	Minimum	Master Carton
101R012038	1/2 "x 3/8"	W-1019	100	2900
101R058012	5/8 "x 1/2"	W-1023	100	1300
101R118078	1-1 / 8 "x 7/8"	W-1049	25	300
101R118034	1-1 / 8 "x 3/4"	W-1050	25	150
101R118058	1-1 / 8 "x 5/8"	W-1051	25	
101R118012	1-1 / 8 "x 1/2"	W-1052	25	550
101R138118	1-3 / 8 "x 1-1 / 8"	W-1056	20	220
101R138078	1-3 / 8 "x 7/8"	W-1058	20	400
101R158138	1-5 / 8 "x 1-3 / 8"	W-1064	10	200
101R158118	1-5 / 8 "x 1-1 / 8"	W-1065	10	160
101R058038	5/8 "x 3/8"	W-1025	100	400
101R058014	5/8 "x 1/4"	W-1027	100	400
101R034058	3/4 "x 5/8"	W-1029	50	550
101R034012	3/4 "x 1/2"	W-1030	25	200
101R034038	3/4 "x 3/8"	W-1031	50	150
101R078034	7/8 "x 3/4"	W-1035	50	300
101R078058	7/8 "x 5/8"	W-1036	50	600
101R078012	7/8 "x 1/2"	W-1037	50	750
101R218158	2-1 / 8 "x 1-5 / 8"	W-1073	10	100
101R258218	2-5 / 8 "x 2-1 / 8"	W-1083	2	40



WROT TEE



Model	Size O.D. (Inches)	Replaces Mueller Number	Minimum	Master Carton
111038	3/8 "	W-4000	50	2500
111012	1/2 "	W-4001	100	2500
111058	5/8 "	W-4006	50	600
111034	3/4 "	W-4017	25	400
111078	7/8 "	W-4031	25	250
111118	1-1 / 8 "	W-4048	10	120
111138	1-3 / 8 "	W-4068	5	70
111158	1-5 / 8 "	W-4084	1	45
111218	2-1 / 8 "	W-40102	1	30
111258	2-5 / 8 "	W-40123	1	10

## FITTINGS



90° ELBOW

Model	Size	Minimum	Master Carton
QFE-38	3/8 "	50	200
QFE-58	5/8 "	25	200
QFE-34	3/4 "	25	100



CAP

Model	Size	Minimum	Master Carton
QFC-14	1/4 "	25	1000
QFC-38	3/8 "	50	500



MALE CONNECTOR NPT/FL

Model	Size	Minimum	Master Carton
QFM-1418	1/4 "x 1/8"	25	
QFM-1414	1/4 "x 1/4"	25	500
QFM-1438	1/4 "x 3/8"	25	
QFM-1412	1/4 "x 1/2"	25	500
QFM-3838	3/8 "x 3/8"	25	
QFM-3812	3/8 "x 1/2"	25	250



TEE

Model	Size	Minimum	Master Carton
QFT-14	1/4 "	50	100
QFT-38	3/8 "	25	250
QFT-12	1/2 "	25	100
QFT-58	5/8 "	25	250



SHORT NUT

Model	Size	Minimum	Master Carton
QFN-14	1/4 "	100	1500
QFN-516	5/16 "	50	1000
QFN-38	3/8 "	50	800
QFN-12	1/2 "	50	500
QFN-58	5/8 "	25	250
QFN-34	3/4 "	25	
QFN-78	7/8 "	25	100



NIPLE UNION FLARE

Model	Size	Minimum	Master Carton
QFU-14	1/4 "	25	250
QFU-516	5/16 "	25	1500
QFU-38	3/8 "	25	250
QFU-12	1/2 "	25	500
QFU-58	5/8 "	25	100

## FLOW SWITCH



Model	Minimum	Master Carton
QFS-61	1	20

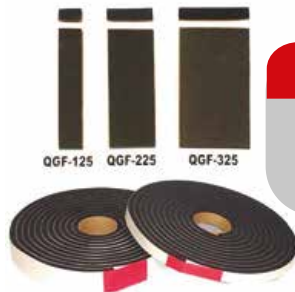


## GAS STOVE



Model	Burners	Operating Pressure	Minimum	Master Carton
QTX-2	2	2.75 kPa (28 G/Cm2)	1	1

## GASKETS



Model	Description	Minimum	Master Carton
QGF-125	1" W x 1/2" H x 25' L Roll		24
QGF-225	2" W x 1/2" H x 25' L Roll		12
QGF-325	3" W x 1/2" H x 25' L Roll		8

## HAND HELD PRESSURE PUMP SPRAYER



Model	Capacity	Size	Nozzle	Function	Nozzle Material	Minimum	Master Carton
QPS-2	15 a 40 PSI	2 Liters / 4.5 Pints	Adjustable	Coil Cleaner and more	Brass	10	20

## HARD START KITS



### HARD START KITS FOR A/C

Model	Volts	Start Torque	HP	Minimum	Master Carton
QSP-5E	120-288	300%	1/2 to 5	25	25
QSP-10E	120-288	500%	1/2 to 10	25	100



### HARD START KITS FOR REFRIGERATION

Model	Volts	HP	Minimum	Master Carton
QSR-13	115	1/4 to 1/3	25	50
QSR-15	115	1/12 to 1/5	25	50

## HEATERS



### PIPE HEATER CABLES

Model	Lgth	Voltaje	Watts	Minimum	Master Carton
QHB-6	6'	120	46	10	50
QHB-12	12'	120	92	10	30
QHB-18	18'	120	138	10	20
QHB-6-2	6'	240	46	10	50
QHB-12-2	12'	240	92	10	30
QHB-18-2	18'	240	138	10	20
QHB-24-2	24'	240	184	5	20
QHB-30-2	30'	240	230	5	20



### DOOR HEATER CABLES

Model	Lgth	Volts	Watts	Minimum	Master Carton
QHA-6E	6'	120	42	10	170
QHA-12E	12'	120	84	10	100
QHA-18E	18'	120	126	10	90
QHA-24E	24'	120	168	5	75
QHA-6-2E	6'	240	42	10	170
QHA-12-2E	12'	240	84	10	100
QHA-18-2E	18'	240	126	10	90
QHA-24-2E	24'	240	168	5	75



### QUARTZ DEFROST HEATERS

Modelo	Lgth	Volts	Watts	Terminal	Tube Qty	Minimum	Master Carton
QHC-267	24"	115	500	Female	1	1	50

### INSULATION



Model	Description	Minimum	Master Carton
1234	3' x 4' x 1/2" (12 Sheets = 144 Sq. Feet)	12	12
3434	3' x 4' x 3/4" (8 Sheets = 96 Sq. Feet)	8	8

### LEAK DETECTORS



### LEAK DETECTOR

Model	Type	Refrigerant	Description	Minimum	Master Carton
QTL-1	Halogen	All Refrigerants	3 grams per yard	1	10



### LEAK DETECTOR (REDFINDER OIL BASED)

Model	Type	Refrigerant	Description	Minimum	Master Carton
QRF-4	Liquid	All Refrigerants	4 oz. bottle	25	25



### PROPANE LEAK DETECTOR

Model	Type	Refrigerant	Description	Minimum	Master Carton
QTX-3A	Propane & MAPP	All Refrigerants	Manual	1	12



## MOTORS

### PSC / SHADED POLE MOTOR

Model	HP	Volts	AMPS	RPM	Speeds	Frame	Hz	Rotation	Weight	Minimum	Master Carton
QMS-888	1/12, 1/15, 1/20	115/208-230	1.1/0.65	1550	1	3.3"	50/60	CW/CCW	4 lbs.	1	96



### CONDENSER FAN MOTOR (QE QUALITY)

Model	Replaces	HP	Watts	AMPS	Capacitor (Not Included)	Minimum	Master Carton
QMS-16602	Emerson # 1859	1/6	120	1	5-7E	1	90
QMS-14602	Emerson # 1860	1/4	186.5	1.7	5-7E	1	90
QMS-13602	Emerson # 1861	1/3	246	2.1	7.5-7E	1	90
QMS-12602	Emerson # 1862	1/2	373	3	10-7E	1	90
QMS-34602	Emerson # 1868	3/4	560	4.6	10-7E	1	90



#### CONDENSER FAN MOTOR (EMERSON)

Model	HP	RPM	Minimum	Master Carton
1859	1/6	1075	1	90
1860	1/4	1075	1	90
1861	1/3	1075	1	90
1862	1/2	1075	1	162
1868	3/4	1075	1	126



#### RAIN GUARD

Model	Minimum	Master Carton
QM-99	10	250

#### MINI SPLIT EVAPORATOR FAN MOTORS

Model	Watts	Rotation	Motor Height	Motor Diameter	Shaft Lgth	Minimum	Master Carton
QMS-12	12	CW	1-1/4"	3-3/4"	3"	10	20
QMS-18	18	CW	1-1/2"	3-3/4"	3"	10	20
QMS-22	22	CW	2-1/2"	3-3/4"	3"	10	20



#### MINI SPLIT CONDENSER FAN MOTORS

Model	Watt	RPM	Volt/Hz	AMPS	Rotation	Capacitor	Description	Shaft Diameter	Minimum	Master Carton
QMC-35-2CW	35	1180	208-230/60	0.35	CW	2.5-450E	34"connections	5/16"	9	9
QMC-38-2CW/CCW	38	1180	208-230/60	0.39	CW/CCW	2.5-500 *included	32"connections	5/16"	9	9
QMC-54-2CW	54	1180	208-230/60	0.57	CW	3-450E	42"connections	1/2"	6	6



#### CEILING / FLOOR SPLIT SYSTEM MOTOR

Model	HP	Volt	Hz	AMPS	RPM	Capacitor	Minimum	Master Carton
QMD-105602	1/10	230	50/60	0.88/0.7	1250-1400	3 MFD / 450 V.	1	48
QMD-165602	1/6	230	50/60	1.7/1.43	1250-1500	5 MFD / 450 V.	1	42
QMD-165601	1/6	115	60	1.6	1500	10 MFD / 450 V.		42

### AXIAL FAN MOTORS



Model	Volt	Hz	Fan Blades Diameter	Speeds	Noise Db (A)	Amp	Master Carton
QMX-45250-1	110	60	250mm/9.84 in	1625 R/MIN	60	0.28	1
QMX-45250-2	220	60	250mm/9.84 in	1625 R/MIN	60	0.28	1
QMX-45300-1	110	60	300mm/11.81 in	1625 R/MIN	62	0.49	1
QMX-45300-2	220	60	300mm/11.81 in	1625 R/MIN	62	0.49	1
QMX-45350-1	110	60	350mm/13.78 in	1625 R/MIN	66	0.75	1
QMX-45350-2	220	60	350mm/13.78 in	1625 R/MIN	66	0.75	1
QMX-45400-2	220	60	400mm/15.75 in	1625 R/MIN	70	0.85	1
QMX-45450-2	220	60	450mm/17.72 in	1625 R/MIN	75	1.10	1
QMX-45500-2	220	60	500mm/19.69 in	1625 R/MIN	78	2.10	1
QMX-45600-2	220	60	600mm/23.62 in	1625 R/MIN	85	4.10	1
QMX-45630-2	220	60	600mm/23.62 in	1625 R/MIN	85	4.50	1

### EVAP. / REFRIGERATOR FAN MOTORS



Model	Watts	Volt/Hz	RPM	Rotation	Shaft Diameter	Minimum	Master Carton
QMR-317E	8	110-115/60	3000	CW/CCW	1/8"	1	40
QMR-329E	30	115/60	2600	CW	1.05"	1	30
QMR-670E	1.8	110/60	2400	CW/CCW	3/16"	1	18
QMR-672E	1.8	220-240/50-60	3000	CW/CCW	3/16"	1	18
QMR-998E	1.6	220-230/50-60	3000	CW/CCW	3/20"	1	18
QMR-999E	1.6	110/60	2400	CW/CCW	1/8"	1	18
QMR-334E	1.5	115/60	3000	CW/CCW	3/16"	1	40
QMR-335E	1.5	110-120/60	3000	CW/CCW	3/16"	1	40



### SHADED POLE FAN MOTORS

Model	Watts	Volt/Hz	RPM	Rotation	FB Diameter	Minimum	Master Carton
QMM-10E	10	115/60	1500	CCW	8"	1	20
QMM-16E	16	115/60	1600	CCW	10"	12	12
QMM-18E	18	115/60	1500	CCW	10"	12	12
QMM-10E-2	10	220/50-60	1300/1600	CCW	8"	20	20
QMM-16E-2	16	220/50-60	1300/1600	CCW	10"	12	12
QMM-18E-2	18	220/50-60	1300/1600	CCW	10"	12	12



### UNIT BEARING MOTORS

Model	Watts	Volt/Hz	RPM	Frame	Shaft Diameter	Minimum	Master Carton
QMM-9	9	110/60	1550	Aluminum	Screw	20	20





## MOUNTING SUPPORTS



Model	Resistance	Dimensions	Description	Material	Minimum	Master Carton
QB-3	2000 lbs. uniform load	6.5" x 6.5" x 3"	Riser / Block	Heavy Duty High Pressure Polypropylene Plastic	1	48
QB-6	2000 lbs. uniform load	6.5" x 6.5" x 6"	Riser / Block	Heavy Duty High Pressure Polypropylene Plastic	1	36
QBF-9	275 lbs. per unit	9.9" x 7.3" x 4"	Foot with Steel Strut, Screws, & Accessories	Heavy Duty Compressed Rubber & Galvanized Steel	4	4

## OIL SEPARATORS



Modelo	Connection Size	Side A (IN)	Side B (IN)	Replaces	Minimum	Master Carton
QOS-12	1/2" ODF	4	10.75	55824	1	9
QOS-58	5/8" ODF	4	14.25	55855	1	9
QOS-78	7/8" ODF	4	17.75	55877	1	9
QOS-118	1-1/8" ODF	4	21	55889	1	9
QOS-138	1-3/8" ODF	4	21.25	559011	1	9
QOS-158	1-5/8" ODF	6	19	569213	1	9

## OVERLOAD PROTECTORS

### 3/4" OVERLOAD MOTOR PROTECTORS



Model	Volts	HP	Minimum	Master Carton
QOP-18E	115	1/8	1	500
QOP-16E	115	1/6	100	500
QOP-15E	115	1/5	100	500
QOP-14E	115	1/4	100	500
QOP-13E	115	1/3	100	500
QOP-12E	115	1/2	100	500



### UNIVERSAL REPLACEMENT OVERLOADS

Model	BTU	LRA	Volts	HP	Minimum	Master Carton
QOP-120	12,000	37	115	1	25	500
QOP-150	15,000	37.5	230	1-1/4	25	500
QOP-180	18,000	34.5	230	1-1/2	25	500
QOP-240	24,000	35	230	2	25	500

### OVERLOAD PROTECTORS



Model	Volts	HP	Master Carton
QPTO-13	110V	1/3 HP	1000
QPTO-14	110V	1/4 HP	1000
QPTO-15	110V	1/5 HP	1000
QPTO-16	110V	1/6 HP	1000
QPTO-18	110V	1/8 HP	1000

## PUMPS



### MINI CONDENSATE PUMP

Model	Volt	Hz	Max Flow Rate	Description	Minimum	Master carton
QCP-20M-1	120	60	2.6 GPH	110 Voltage	1	25
QCP-20M-2	230	60	2.6 GPH	220 Voltage	1	25
QCP-33D	110-230	50/60	3.2 GPH	Dual Voltage & Max 33FT. Discharge Head	1	20



### CONDENSATE PUMP

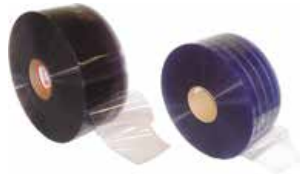
Model	Volt	Hz	Max flow rate	Lift	Size	Minimum	Master carton
QCP-20-1	110	60	1.6 GPM	20'	11.8" L x 5.9" W x 6.7" H	1	6
QCP-20-2	230	60	1.6 GPM	20'	11.8" L x 5.9" W x 6.7" H	1	6



### OIL TRANSFER PUMP

Model	Description	Connection	PSI	Minimum	Master carton
QRO-5	Padded Grip/2' Hose	1/4" SAE + U. Adapter	200±	1	16

## PVC CURTAINS



### PVC STRIP CURTAIN (BULK 300')

Model	Dimensions	Description	Minimum	Master Carton
QCP-8300S	8 "x .080" x 300 '	Standard (Clear)	1	12
QCP-8300	8 "x .080" x 300 '	Reinforced (Clear)	1	12



### PVC STRIP CURTAIN MOUNTING HARDWARE

Model	Minimum	Master Carton
QCP-10	20	20



## PVC NIGHT COVER / CURTAIN



Model	Lgth	Width	Temp Range	Minimum	Master Carton
QCP-1.5	59"	48"	-4° to 32° F	10	10
QCP-1.8	70"	48"	-4° to 32° F	10	10

## REFRIGERANT CHARGING SCALE



Model	Weight Resistance	Accuracy Resolution	Units	Power Supply	Operating Temp	Battery Life	Weight	Minimum	Master Carton	
QRS-66	66 lbs.	+/- 1%	.003 lbs.	KG / LBS / OZ	9 VDC	32-113° F	30 hours continuous use	5.5 OZ	1	1

## RELAYS

### PTC / FRACTIONAL RELAYS



Model	HP	Volts	Minimum	Master Carton
QRP-12E	1/2	115	25	25
QRP-13E	1/3	115	25	25
QRP-14E	1/4	115	25	25
QRP-15E	1/5	115	25	25
QRP-16E	1/6	115	25	25
QRP-18E	1/8	115	25	25



### PTC / FRACTIONAL RELAYS

Model	HP	Volts	Minimum	Master Carton
QPTC-999	1/10-1/3	110 V. / 12 A.	50	500



### OVERLOAD / RELAY COMBO

Model	Description	Volts	Minimum	Master Carton
QRP-IC1	5 + - 20%	110	1	200
QRO-16	1/8, 1/6, 1/5	120	1	200



### SOLID STATE RELAYS

Model	Volt / Hz	Minimum	Master Carton
QSR-12E	115/60	25	250



### POTENTIAL RELAYS

Model	Continuous Coil Voltage	Pick Up Min	Pick Up Max	Drop Out Max	HP	Compressor Volt.	Minimum	Master Carton
QRP-63	170	139	153	55	1/4 to 1/2	115	25	100
QRP-64	395	260	275	120	1 to 3	230	25	100
QRP-65	332	168	182	90	1/2 to 1	115	25	100
QRP-66	395	215	225	120	1 to 5	115 to 230	25	100
QRP-67	420	295	315	125	1/2 to 5	208 to 230	25	100



### HEAVY DUTY FAN RELAYS

Model	Contact Voltage VAC	Amp FLA	Amp LRA	Amp Res	Control Style	Coil Voltage VAC	Minimum	Master Carton
Q90-360	120/240/277	12/8/7	60/48/42	18	SPST-NO	24	1	100
Q90-370	120/240/277	12/8/7	60/48/42	18	SPDT	24	1	100
Q90-380	120/240/277	12/8/7	60/48/42	18	SPNO-SPNC	24	1	100



### GENERAL PURPOSE RELAYS

Model	Contact Voltage VAC	Amp FLA	Coil Voltage VAC	Control Style	Description	Minimum	Master Carton
Q90-340	125 a 600	12/6/3/3	24	DPDT	10 term.	1	100
Q90-341	125 a 600	12/6/3/3	120	DPDT	8 term.	1	100
Q90-342	125 a 600	12/6/3/3	208-240	DPDT	10 term.	1	100

### SEALANT



### FOAM SEALANT

Model	Wgt	Minimum	Master Carton
QFS-11	11 oz	12	12

### SIGHT GLASS



Sweat (ODF)



Male/ Female Flare (SAE)



Male Flare (SAE)

Model	Size	Connection	Minimum	Master Carton
QSG-14S	1/4"	Sweat		
QSG-38S	3/8"	Sweat		
QSG-12S	1/2"	Sweat		
QSG-58S	5/8"	Sweat		
QSG-78S	7/8"	Sweat		
QSG-118S	1-1/8"	Sweat		
QSG-14-2	1/4"	Male Flare (SAE)	1	100
QSG-38-2	3/8"	Male Flare (SAE)	1	100
QSG-12-2	1/2"	Male Flare (SAE)	1	100
QSG-58-2	5/8"	Male Flare (SAE)	1	100
QSG-14MF-2	1/4"	Male/Female Flare (SAE)	1	50
QSG-38MF-2	3/8"	Male/Female Flare (SAE)	1	100
QSG-12MF-2	1/2"	Male/Female Flare (SAE)	1	100
QSG-58MF-2	5/8"	Male/Female Flare (SAE)	1	100

## SOLDERING & BRAZING



### SILVER SOLDER BRAZING RODS

Model	Dimensions	Silver	Copper	Phosph.	Minimum	Master Carton
QSIL-0B	.050 x 1/8 x 20"	0%	93%	7%	25	100
QSIL-0B-36	.050 x 1/8 x 36"	0%	93%	7%	25	100
QSIL-2-1	.050 x 1/8 x 20"	2%	91%	7%	1	100
QSIL-5-1	.050 x 1/8 x 20"	5%	89%	6%	1	100
QSIL-15-1	.050 x 1/8 x 20"	15%	80%	7%	1	100



### FLUX FOR BRAZING

Model	Temperature Range	Size	Minimum	Master Carton
QFX-4	1600° F / 871° C	4-Oz	24	96



### LACO HEAT SEAL

Model	Size	Minimum	Master Carton
LACO	11.7 G	12	144



### MAP GAS

Model	Description	Size	Minimum	Master Carton
QTX-14	MAP//Pro	14.1 Oz.	12	12



### PORTABLE WELDING CUTTING KIT

Model	Description	Minimum	Master Carton
QTX-550	Complete Kit	1	1
QTX-550-T	Kit Without Tanks	1	1

#### Package Includes:

Professional Welding Cutting Outfit Kit 1x 4L Oxygen Cylinder CGA540. 1x 2L Acetylene Cylinder CGA200 1x Welding Goggles 1x Oxygen Regulator 1x Acetylene Regulator 2x Welding Nozzle #1 and #2 VM-W, Welds up to 1/16" 1x Cutting Torch 3-101, Cuts up to 1/2" 1x Twin Welding Hose 4.5 Meters 1x Tip Cleaner 1x Spanner 1x Spark Lighter 1x Red Carrying Tote Manual included

For more information visit our webpage [www.qequality.com](http://www.qequality.com)



### HAND TORCHES

Model	Temperature Range	Description	Minimum	Master Carton
QTX-11E	3600° F	Single Burner Swivel Torch	8	48
QTX-12E	3600° F	Dual Burner Swivel Torch	8	8
QTX-22E	3600° F	Single Burner Self Igniting Hand Torch	6	24
QTX-JH7	3600° F	Single Burner Swivel Torch with Hose and Ignitor	1	12
QTX-3A	3600° F	Propane Leak Detector	1	12
QTX-12H	3600° F	Dual-Tip Burner w/ HOSE	1	20

## SUCTION LINE ACCUMULATORS



Model	Connection	Side A (IN)	Side B (IN)	Side C (IN)	Minimum	Master Carton
QSA-12	1/2" ODF	4	8-73	1-89	1	6
QSA-58	5/8" ODF	4	11-1	1-89	1	6
QSA-34	3/4" ODF	5-5	9-45	3-19	1	6
QSA-78	7/8" ODF	5	12	2-75	1	6
QSA-118	1-1/8" ODF	5	17	2-75	1	6
QSA-138	1-3/8" ODF	5	17	2-75	1	6
QSA-158	1-5/8" ODF	6	20	2-94	1	6



## SWITCHES



### PUSH BUTTON SWITCHES

Model	Description	Minimum	Master Carton
QPB-4	4 functions	1	25

## TAPES

### ALUMINUM TAPE



Model	Size	Description	Minimum	Master Carton
QTA-250	2" x 50 yds.	Flat (50 Micron)	24	24
QTA-350	3" x 50 yds.	Flat (50 Micron)	24	24
QTK-250	2" x 50 yds.	Reinforced	24	24
QTK-350	3" x 50 yds.	Reinforced	16	16

### DUCT TAPE



Model	Size	Description	Minimum	Master Carton
QTD-260	2" x 60 yds.	Grey	24	24
QTD-260N	2" x 60 yds.	Black	24	24

### CORK INSULATION TAPE



Model	Size	Description	Minimum	Master Carton
QTI-30WH	1/8" t. x 2" w. x 30' l.	bagged	10	10
QTI-30	1/8" t. x 2" w. x 30' l.	boxed	10	10

### FOAM TAPE



Model	Size	Description	Minimum	Master Carton
QTF-230	1/8" t. x 2" w. x 30' l.	Self-Adhesive	12	12

### ELECTRICAL TAPE



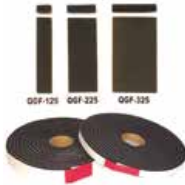
Model	Size	Description	Minimum	Master Carton
QTE-3420	3/4" x 20'	black	10	250

### PVC NON ADHESIVE TAPE



Model	Description	Size	Master Carton
QTW-615	NON-ADHESIVE	6cm Wide x 15m Length / 2.36" x 49.21Ft.	100

### FOAM DOOR GASKET



Model	Description	Minimum	Master Carton
QGF-125	1" W x 1/2" H x 25' L Roll	24	24
QGF-225	2" W x 1/2" H x 25' L Roll	12	12
QGF-325	3" W x 1/2" H x 25' L Roll	8	8

### INSULATION



Model	Description	Minimum	Master Carton
1234	3' x 4' x 1/2" (12 Sheets = 144 Sq. Feet)	12	12
3434	3' x 4' x 3/4" (8 Sheets = 96 Sq. Feet)	8	8

## THERMOMETERS



### WALL THERMOMETERS

Model	Description	Temp range	Details	Minimum	Master Carton
QTZ-4080	Double Freezer / Refrigerator	-40° to 80° F / -40° to 28° C	Horizontal w/ stainless steel clamps	12	120
QTW-5050	Dual Refrigerator / Ambiental	-60° to 120° F / -50° to 50° C	Vertical plastic casing	30	360



QTR-4060F



QTR-4060DF



QTR-4060DR



QTR-4F



QTR-4C

#### FLANGE THERMOMETERS

Model	Description	Temperature Range	Details	Size	Minimum	Master Carton
QTR-4060DF	Dual Scale (Analog)	-58° a 158° F / -40° a 70° C	Front Flange /	7/16" OD x 2-1/2" L w/4' sensor	5	100
QTR-4060DR	Dual Scale (Analog)	-58° a 158° F / -40° a 70° C	Front Flange /	7/16" OD x 2-1/2" L w/4' sensor	5	100
QTR-4060F	Dual Scale (Analog)	-40° a 60° F / -40° a 20° C	Front Flange /	7/16" OD x 2-1/2" L w/ 4' sensor	5	100
QTR-4F	4" Dial (Analog)	-40° a 104° F	Rear Flange /	41" sensor / Fahrenheit	1	50
QTR-4C	4" Dial (Analog)	-40° a 40° C	Rear Flange /	41" Sensor / Celsius	1	50



QTD-476D



QTP-50



QTD-138



QTD-70



QTR-476D-1

#### POCKET THERMOMETERS

Model	Description	Temperature Range	Size	Minimum	Master Carton
QTD-476D	Digital	-40° a 70° C	6"	15	60
QTP-50	Dual scale / digital / bulb	-58° a 248° F / -50° a 120° C		1	25
QTD-70	Steel stem	-40° a 70° C	6"	12	96
QTD-138	Dual scale / steel stem	-40° a 160° F / -40° a 70° C	6"	12	192
QTD-476D-1	Batteries for QTD-476D				100



QTR-40160F  
QTR-4070C



QTR-47D

#### DIGITAL PANEL THERMOMETERS

Model	Description	Temperature Range	Details	Minimum	Master Carton
QTR-40160F	Hanging, Upright, or Screw Mount	-40° a 160° F	48" sensor	10	200
QTR-4070C	Hanging, Upright, or Screw Mount	-40° a 70° C	48" sensor	10	200
QTR-47D	Flush Mount	-50° a 70° C	48" sensor	10	500

## THERMOSTATS



#### FAN COIL

Model	Temperature Range	Description	Function	Volt/Hz	Minimum	Master Carton
QTH-59V-1	50° to 90° F	NTC sensing element	Fan Coil	110/60	1	60
QTH-59V-2	50° a 90° F	NTC sensing element	Fan Coil	220/60	1	60



QTH-60D / QTH-67



QTH-1000D

#### A/C DIGITAL THERMOSTATS



QTH-1100T

Model	Temperature Range	Description	Volt/Hz	Minimum	Master Carton
QTH-60D	45° a 95° F / 7° a 35° C	Non-Programmable / 2 Stage	24/60	1	50
QTH-67	32° a 99° F / 0° a 37° C	Non-Programmable / 1 Stage / Thermostat - Heat Pump	24/60	1	50
QTH-1000D	40° a 95° F / 4° a 35° C	Programmable / 5 + 2 days / 1 Stage / Thermostat - Heat Pump	24/60	1	50
QTH-1100T	41° a 95° F / 5° a 35° C	Programmable / 7 or 5 + 2 days / 1 Stage (Touchscreen)	24/60	1	40



### THERMOSTAT COVERS

Model	Size	Description	Minimum	Master Carton
QTH-99	8" long / 3.5" deep / 5" high	Includes keys & mount	1	12
QTH-100	10" long / 4.5" deep / 6" high	Includes keys & mount	1	12



### BIMETAL DISC DEFROST THERMOSTAT

Model	Description	Lead Lgth	Replaces	Minimum	Master Carton
QDT-10	12 ° a -5 ° C + Fuse 72 ° C	30"	Samsung, LG, Daewoo	10	500
QDT-11	12 ° a -5 ° C + Fuse 72 ° C	8"	Samsung, LG	10	500
QDT-12	12 ° a -5 ° C + Fuse 72 ° C	8"	Samsung, LG	10	500
QDT-13	11 ° a 0 ° C + Fuse 70 ° C	17"	Samsung, LG, Whirlpool	10	500
QDT-14	13 ° a -4 ° C	12"	Universal	10	500



QTH-101

QTH-102

### REFRIGERATION THERMOSTAT

Model	Type	Temp Range	Capillary Lgth	Minimum	Master Carton
QTH-101	Premium / Steel Case	-34 ° a 32 ° C	5'	1	20
QTH-102	Economic / Plastic Case	-35 ° a 35 ° C	5'	1	50

### DEFROST THERMOSTATS



Model	Open °F / °C	Close °F / °C	Diff °F / °C	Minimum	Master Carton
QDT-45	45 / 7.2	25 / -4	20/11	25	500
QDT-50	50/10	30 / -1	20/11	25	500
QDT-55	55/13	35 / 1.7	20/11	25	500
QDT-60	60 / 15,5	40 / 4.5	20/11	25	500
QDT-70	70/21	50/10	20/11	25	500

## TIME DELAYS



Model	Description	Minimum	Master Carton
QTD-068E	Delay on Make	25	100
QTD-072E	Delay on Break	25	100

## TIMERS



### DOMESTIC DEFROST TIMERS

Model	Defrost Hours/Mins.	Frame	Paragon Model	Minimum	Master Carton
QTP-621-1ME	6/21	Metal	N1111-AD	25	75
QTP-820-4ME	8/20	Metal	F1111-F	25	75
QTP-820-4E	8/20	Plastic	B1401F	25	100
QTP-999	6-24 Hrs. / 15-32 Mins.	Plastic	--	12	12



### DOMESTIC DEFROST TIMERS (PARAGON)

Model	Defrost Hours/Mins.	Frame	Paragon Model	Minimum	Master Carton
QTP-621-1	6/21	Plastic	A1401AD	25	200
QTP-820-4	8/20	Plastic	B1401F	25	200
QTP-821-6	8/21	Plastic	A1403FL	25	200



### DEFROST TIMERS



Model	Volt / Hz	Minimum	Master Carton
8045-00	120/60	1	12
8045-20	230/60	1	12
8145-00	115/60	1	12
8145-20	220/60	1	12
8145-21	220/50	1	12

\*ONLY FOR EXPORT



### DIAL TRIPPERS

Model	Minimum	Master Carton
8000-1	25	25

## TOOLS



### MANIFOLD GAUGES (DIGITAL)

Model	Refrigerant	Description	Function	Minimum	Master Carton
QM-999D	89 types	Full Function Digital Manifold for any job	Domestic / Commercial / Automotive	1	10



### MANIFOLD SETS

Model	Refrigerant	Hose Lgth	Description	Function	Minimum	Master Carton
QM-134AE	R-134A, R-507, R-404A	36"	1/4" Flare	Commercial	16	16
QM-134-AA	R-134A, R-507, R-404A	72"	1/4" with Quick Couplers & Adapter	Automotive	1	12
QM-336	R-12, R-22, R-502	36"	1/4" Flare	Commercial	16	16
QM-360	R-12, R-22, R-502	60"	1/4" Flare	Commercial	1	16
QM-410	R-410A, R-404A, R-22	36"	1/4", 5/16" Flare (5/16" Male to 1/4" Female Adapter Included)	Commercial	1	24
QM-460C	R404, R410A, R22, R134A	60"	Large 3-1/8" Gauge Testing Manifold Set (Celsius Model)	Welded Sight Glass/ Heavy Duty Metal Knobs	1	10
QM-460F	R404, R410A, R22, R134A	60"	Large 3-1/8" Gauge Testing Manifold Set (Fahrenheit Model)	Welded Sight Glass/ Heavy Duty Metal Knobs	1	10



QG-134L



QG-229P



QG-230V



QG-410H



QG-460FL\*



QG-460FH\*

MANIFOLD GAUGES



Model	Type	Refrigerant	Scales (PSI & Kg / cm <sup>2</sup> )	Minimum	Master Carton
QG-134H	High	R-134A, R-404A, R-507	500 / 35	10	100
QG-134L	Low	R-134A, R-404A, R-507	250 / 76	10	100
QG-229P	High	R-12, R-22, R-502	500 / 35	10	100
QG-230V	Low	R-12, R-22, R-502	250 / 76	10	100
QG-410H	High	R-410A, R-22, R-404A	800	10	100
QG-410L	Low	R-410A, R-22, R-404A	500	10	100
QG-460FL	Low (Fahrenheit)	R410A, R22, R404A, R134A	800 ~ -30	10	100
QG-460FH	High (Fahrenheit)	R410A, R22, R404A, R134A	500 ~ -30	10	100
QG-460CH	High (Celsius)	R410A, R22, R404A, R134A	800 ~ -30	1	50
QG-460CL	Low (Celsius)	R410A, R22, R404A, R134A	500 ~ -30	1	50

\* Gauge also comes in Celsius



QM-318

SINGLE GAUGE MANIFOLD TESTING UNITS

Model	Refrigerant	Description	Function	Minimum	Master Carton
QM-301	R-12, R-22, R-502	Testing Gauge (2.5" Fahrenheit)	Domestic	6	70
QM-318	R410A, R22, R404A, R134A	Testing Gauge (3-1/8" Fahrenheit)	Domestic	1	50



MANIFOLD HOSES



QH4-14516

Model	Type	Hose Lgth	Refrigerant	Description	Minimum	Master Carton
QH4-36RBY	Regular	36"	R-12, R-22, R-500, R-502, R-134A, & more	3 Hose Set	1	50
QH4-60RBY	Regular	60"	R-12, R-22, R-500, R-502, R-134A, & more	3 Hose Set	1	25
QH4-36RBY-410	Regular	36"	R-410A, R-22, R-404A, & more	3 Hose Set / Red & Blue 5/16"	1	50
QH4-60ABB	Anti Blow Back	60"	R-410A, R-22, R-404A, & more	2 Hose Set / Red & Blue 1/4" Low Loss	1	25
QH4-14516				1/4 Male to 5/16 Female 45°	10	50





### HOSE GASKETS

Model	Description	Minimum	Master Carton
QHG-6	6 pieces per bag	100	2500
QHG-100	100 pieces per bag	25	100



### QUICK COUPLERS

Model	Function	Description	Minimum	Master Carton
QQC-12	High /Low	1/4" SAE	15	150
QQC-134H	High Pressure	Coupler & Adapter	1	100
QQC-134L	Low Pressure	Coupler & Adapter	1	100



### OIL TRANSFER PUMP

Model	Description	Connection	PSI	Minimum	Master Carton
QRO-5	Padded Grip/2' Hose	1/4" SAE + U. Adapter	200±	1	16



QPW-1360

### PRESSURE WASHER

Model	Volt/Hz	Description	PSI	Minimum	Master Carton
QPW-1360	20V Li-ion battery	Cordless & Portable Power washer	362.5		
QPW-1360B	20V Li-ion battery	Cordless & Portable Power washer			



### HAND HELD PRESSURE PUMP SPRAYER

Model	Capacity	Size	Nozzle	Function	Nozzle Material	Minimum	Master Carton
QPS-2	15 to 40 PSI	2 Liters / 4.5 Pints	Adjustable	Coil Cleaner and more	Brass	10	20



### FLARING & SWAGING TOOL KITS

Model	Description	Size	Minimum	Master Carton
QFT-103	Flaring Tools	5/8", 7/8", 3/4", 1-1/8"	1	10
QFT-195	Flaring Tools	3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8"	1	12
QFT-275	Flaring & Swaging Tools	7/16", 1/4", 1/8", 3/16", 5/16", 3/8", 1/2", 5/8", 3/4"	1	15
QFT-278	Flaring, Swaging, Cutting, & Ratchet Wrench	7/16", 1/4", 1/8", 3/16", 5/16", 3/8", 5/8", 1/2", 3/4"	1	10

### SWAGING TOOLS



Model	Size	Description	Minimum	Master Carton
QSW-5/16	5/16"	Single Piece	1	25
QSW-3/8	3/8"	Single Piece	1	25
QSW-5/8	5/8"	Single Piece	1	25
QSW-50	1/4", 5/16", 3/8", 1/2", 5/8"	5 Piece Set	1	40
QSW-95	1/4", 5/16", 3/8", 1/2", 5/8"	Single Piece	1	50

### BENDING SPRINGS SET



Model	Size	Description	Minimum	Master Carton
QBS-076	1/4", 3/8", 1/2", 5/8"	4 piece kit		25



QTB-364

### TUBE BENDERS



QTB-3

Model	Tubing Size OD	Radius To Center Of Tube	Minimum	Master Carton
QTB-364-12	1/2"	1-1/2"	1	8
QTB-364-38	3/8"	15/16"	1	12
QTB-364-34	3/4"	3"	1	8
QTB-364-58	5/8"	2-1/4"	1	8
QTB-364-78	7/8"	3"	1	8
QTB-3	1/4", 5/16", 3/8"	180°	1	20



### TUBE CUTTERS

Model	Size	Description	Minimum	Master Carton
QTC-58	1/8" to 5/8"	screw knob for precision	25	100
QTC-118	1/8" to 1-1/8"	reamer & replacement wheel included	1	50
QTC-158	1/4" to 1-5/8"	reamer & replacement wheel included	1	50
QTC-58-1	up to 5/8"	replacement blades for QTC-58	10	100
QTC-118-1	up to 1-5/8"	replacement blades for QTC-158 & QTC-118	10	100



### RATCHET WRENCHES

Model	Size	Description	Minimum	Master Carton
QR8-127	1/4" & 3/16" / 3/8" & 5/16"	heat treated & reversible	1	100



### PINCH-OFF WRENCH

Model	Minimum	Master Carton
QRR	1	50



### VALVES UNIVERSAL (CAN TAP VALVE)

Model	Size	Description	Refrigerant	Master Carton
QTC-134A	1/4" Valve / Refrigerant Can 2-7/8"	Universal Green	Multi-Purpose	1
QTC-134B	1/4" Valve/Can 2 5/8	Universal Blue	Multi-Purpose	1



### CAPILLARY CUTTER

Model	Size	Description	Minimum	Master Carton
QTC-156	Hasta .156" O.D.	spring assisted	20	100



### FIN COMBS

Model	Material	Description	Minimum	Master Carton
QTF-550	Aluminum	with adjustable tension bar for easy clean	1	100
QTF-551	Plastic	6-en-1 (8,9,10,12,14,15)	1	75



### INFRARED THERMOMETER

Model	Description	Temperature Range	Minimum	Master Carton
QDT-500	12" to 1" ratio	-58° a 716° F / -50° a 380° C	1	60



### DIGITAL ANEMOMETER

Model	Air Velocity	Temperature Range	Power Supply	Humidity	Minimum	Master Carton
QTV-045	0 ~ 100 MPH	32 ° ~ 113 ° F	9V Battery	40% RH ~ 85% RH	1	60



### TOOL BAG W/ HARD BASE

Model	Description
QTB-100	Attractive Grey & Black heavy duty material, 18-inch Wide Mouth tool bag



### ALLEN WRENCHES

Model	Size	Description	Minimum	Master Carton
QA-4	3/32", 1/8", 5/32", 3/16"	4 piece set	1	60



QTM-300A



QTM-400D



QTM-1000D

### AMP. / VOLT. METERS

Model	Type	DC Voltage	AC Voltage	ACA	Temp Range	OHM	Power Supply	Size	Weight	Minimum	Master Carton
QTM-300A	Analog	60V	600V	6A-300A	-20 to 150 °C	x1/X1000	R6(1.5V)1	193x78x39mm	280g	1	30
QTM-400D	Digital	600V	450V	20A-400A	-20 to 150 °C	2000	(2) AAA	150x63x28mm	145g	1	50
QTM-1000D	Digital	600mV-1000V	600mV-750V	60A-1000A	-40 to 150 °C		(1) 9V 6F22	245x66x45mm	334g	1	20



## TRANSFORMERS



### CONTROL TRANSFORMERS

Model	Rating VA	Dimensions	Primary VAC	Secondary VAC	Terminal	Weight	Minimum	Master Carton
QTR-403E	40	4" L x 2.5" W x 2.5" H	120/208/240	24	9" leads	1.5 lbs.	30	30
QTR-754E	75	4" L x 3" W x 2.5" H	208/240/480	24	12" leads	2.5 lbs.	10	20

## VACUUM PUMPS



### VACUUM PUMPS (BULLET)

Model	Volt	Hz	CFM	Watts	Motor Speed	Ultimate Vacuum	Oil Capacity	Dimensions	Weight	HP	Minimum	Master Carton
QVP-180	110-127	50/60	1.8		3440	2 Pa / 15 Micron	150 ml		4 lbs.	1/4	1	1
QVP-400	110	50/60	3.8/4.5	330/380	2880/3440	2 Pa / 15 Micron	550 ML	348x138x245 MM	10.3 KG	0.5	1	1
QVP-600	110	50/60	4.8/5.5	500/550	2880/3440	2 Pa / 15 Micron	400 ML	348x138x245 MM	10.5 KG	0.75	1	1
QVP-900	110	50/60	8.0/9.5	570/620	2880/3440	2 Pa / 15 Micron	380 ML	348x138x245 MM	10.8 KG	0.84	1	1
QVP-300-2	220/230	50/60	3.8/4.5	330/380	2880/3440	2 Pa / 15 Micron	550 ML	348x138x245 MM	10.3 KG	0.5	1	1
QVP-500-2	220/230	50/60	4.8/5.5	500/550	2880/3440	2 Pa / 15 Micron	400 ML	348x138x245 MM	10.5 KG	0.75	1	1
QVP-800-2	220/230	50/60	8.0/9.5	570/620	2880/3440	2 Pa / 15 Micron	380 ML	348x138x245 MM	10.8 KG	0.84	1	1



Model	Volt	Hz	CFM	Motor Speed	Ultimate Vacuum	Oil Capacity	Weight	HP	L/Min	Amp	Minimum	Master Carton
QVP-1200	110-127	50/60	12	1725	2 Pa / 15 Micron	600 ml	22 lbs.	1	340	7	1	1



## VALVES



### ACCESS / CHARGING VALVES

Model	Refrigerant	Description	Minimum	Master Carton
QAV-4B	R-22, R-12, R-134A, R-502	2.75" Long Capillary Connection	100	500
QAV-4B-4	R-410, R-134A, R-22, R-12	4" Long Capillary Connection (.025" wall thickness)	100	500



### SHUT OFF VALVES

Model	Size	Refrigerant	Minimum	Master Carton
QTC-007	1/4" x 3/8" FLARE	R-12 & R-22	15	150



### LINE PIERCING VALVES

Modelo	Tube size	Minimum	Master Carton
QTV-1	1/4", 5/16", 3/8"	50	200
QTV-2	5/8", 1/2"	36	36



### SHUT OFF VALVES

Model	Inlet/Outlet	Height	Lgth	Connection	Minimum	Master Carton
QVP-14	1/4"	2.67"	2.44"	Flare	1	100
QVP-12	1/2"	3.15"	3.15"	Flare	1	50
QVP-38	3/8"	2.67"	2.44"	Flare	1	100
QVP-58	5/8"	3.15"	3.23"	Flare	1	50
QVP-58S	5/8"	3.15"	3.15"	Solder	1	50



### BALL VALVE W/ ACCESS VALVE

Model	Connection	Minimum	Master Carton
QVB-12	1/2" ODF	1	70
QVB-14	1/4" ODF	1	
QVB-34	3/4" ODF	1	30
QVB-38	3/8" ODF	1	70
QVB-58	5/8" ODF	1	30
QVB-78	7/8" ODF	1	30
QVB-118	1-1/8" ODF	1	15
QVB-138	1-3/8" ODF	1	12
QVB-158	1-5/8" ODF	1	6
QVB-218	2-1/8" ODF	1	4



### GLOBE VALVES

Model	Dimensions ODF	Height	Length	Minimum	Master Carton
QVG-138	1-3/8"	6.89"	4.92"	1	12
QVG-158	1-5/8"	7.09"	5.63"	1	6



### SOLENOID VALVE COILS

Model	Coil Voltage 50/60 Hz	Minimum	Master Carton
QSV-24	24V	1	50
QSV-110	110V	1	30
QSV-208	208V	1	1



### SOLENOID VALVES R-22



Model	Connections Size	Port Size	Coil Voltage 50/60 Hz	Connection	Minimum	Master Carton
QSV-14	1/4"	3/16"	115V	Flare	1	40
QSV-38	3/8"	7/64"	208/230V	Flare	1	50
QSV-38MX	3/8"	3/16"	208/230V	Flare	1	50
QSV-12	1/2"	3/16"	208/230V	Flare	1	40
QSV-12MX	1/2"	5/16"	208/230V	Flare	1	30
QSV-58	5/8"	5/16"	208/230V	Flare	1	30
QSV-78	7/8"	1/2"	208/230V	Solder	1	30

### SOLENOID VALVES R-410A



Model	Connections Size	Coil Voltage 50/60 Hz	Connection	Minimum	Master Carton
QSV-12-4	1/2"	208/230 V.	Flare	1	30
QSV-38-4	3/8"	208/230 V.	Flare	1	50
QSV-58-4	5/8"	208/230 V.	Flare	1	
QSV-12MX-4	1/2"	208/230 V.	Flare	1	30
QSV-14-4	1/4"	115 V.	Flare	1	30
QSV-78-4	7/8"	208/230 V.	Soldable	1	

### SADDLE VALVE



Model	Tube size	Item	Minimum	Master Carton
QFV-2	3/8" to 1-3/8"	Valve only	25	100
QFV-2K	3/8" to 1-3/8"	Kit	25	25

### EXPANSION VALVES ORIFICE



Model	Type	Temp Range	R22/R410A (TR)	R134A (TR)	R404A (TR)	R407C (TR)	Minimum	Master Carton
QDO-00	T2/TE2	-40 TO 50 F	.30	0.25	0.21	0.3	25	250
QDO-01	T2/TE2	-40 TO 50 F	.70	0.5	0.45	0.8	25	250
QDO-02	T2/TE2	-40 TO 50 F	1.00	0.8	0.6	1.1	25	250
QDO-03	T2/TE2	-40 TO 50 F	1.50	1.3	1.2	1.6	25	250
QDO-04	T2/TE2	-40 TO 50 F	2.30	1.9	1.7	2.5	25	250
QDO-05	T2/TE2	-40 TO 50 F	3.00	2.5	2.2	3.2	25	250
QDO-06	T2/TE2	-40 TO 50 F	4.50	3	2.6	4.9	25	250

### VIBRATION ELIMINATORS



Model	Size	Lgth	Max Operating Pressure PSI	Minimum	Master Carton
QVE-38	3/8 "	8-1 / 4 "	650	1	100
QVE-12	1/2 "	9 "	650	1	100
QVE-58	5/8 "	9-3 / 4 "	650	1	100
QVE-34	3/4 "	10 "	650	1	100
QVE-78	7/8 "	11-1 / 2 "	650	1	100
QVE-118	1-1 / 8 "	13 "	600	1	100
QVE-138	1-3 / 8 "	14-3 / 4 "	550	1	50
QVE-158	1-5 / 8 "	17 "	510	1	25
QVE-218	2-1 / 8 "	20 "	400	1	25
QVE-258	2-5 / 8 "	24 "	350	1	10

## VOLTAGE MONITORS



SINGLE PHASE VOLTAGE MONITOR

Model	Volt / Hz	Description	Minimum	Master Carton
QPM-491C	95-270 / 50-60	QE Single Phase	1	30
QPM-1D	90-300 / 50-60	Wagner Single Phase (Digital)	1	24



THREE PHASE VOLTAGE MONITOR

Model	Volt / Hz	Description	Minimum	Master Carton
QPM-400	190-630 / 50-60	QE Three Phase	1	30
QPM-3D	160-600 / 50-60	Wagner Three Phase (Digital)	1	24



VOLTAGE MONITORS (ANALOG)

Model	Volt/Hz	Description	Minimum	Master Carton
QPM-400E	110-120V / 50-60Hz	1 Phase	1	50
QPM-491E	210-220V / 50-60Hz	1 Phase	1	50

## VOLTAGE PROTECTORS



Model	Volt	Hz	Amp	Working Temp.	Max Power	Minimum	Master Carton
QPN-12-1	120	50/60	12	-5° to 55° C / 23° to 131° F	12 A / 2640 W	10	50
QPN-12-2	220	50/60	12	-5° to 55° C / 23° to 131° F	12 A / 2640 W	1	50
QPA-20-2	220	60	20	--	4400 VA - 20 AMP 35,000 BTU	10	100

## WET DRY VACUUM / BLOWER



PIPE FLUSHING NOZZLE INCLUDED

Model	Watts	Voltage	Frequency	Motor	Capacity	Description	Weight	Minimum	Master Carton
QPV-15	1200	120	60 Hz	Thermally Protected	4 Gallons	Drain Insert: 39" OD small end / 3/4" OD large end	13 lbs.	1	1



1. AIR CURTAINS .....	3
2. BATH & VENTILATIONS FANS .....	4
3. BRACKETS /A/C MOUNT) .....	4
4. CAPACITORS .....	5
4.1 QE Mini Split Capacitors (450 Volts) .....	6
4.2 QE Start Capacitors (110-125 Volts) .....	6
4.3 QE Start Capacitors (220-250 Volts) .....	7
4.4 QE Start Capacitors (330 Volts) .....	7
5. CHEMICALS .....	8
5.1 Leak Detectors (Redfinder) .....	8
5.2 Vacuum Pump Mineral Oil .....	8
5.3 Mineral Refrigeration Oil .....	8
5.4 Polyol Ester Refrigeration Oil .....	8
6. CLEANING COVER .....	8
7. COLD STORAGE HINGES .....	9
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7.2 7" Self-closing edgemount hinge .....	9
7.3 Reach-in Offset door hinge .....	9
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8.1 Cold Storage surface lamps .....	9
8.2 Cold Storage Lamps .....	9
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9.2 Edgemount mechanical latch .....	10
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13.2. Flexible copper tubing (50')	17
13.3. Capillary copper tubing (100')	17
14. FAN BLADES & HUBS	18
14.1. 4 Blade fan blades (1/2" Hub included)	18
14.2. 5 Blade fan blades (5/16" Hub included)	18
14.3. Lau fan blades (Hub not included)	19
14.4. Interchangeable hubs	19
15. FILTERS	20
15.1. Hog hair filters	20
15.2. Expanded aluminum filters	20
15.3. Foam Filters	20
15.4. Water filtration kit	20
15.5. Water filter cartridges	20
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16.3. Filter core	22
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17.2. Wrot 45° elbow	23
17.3. Wrot 90° elbow close ruff	23
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17.6. Wrot suction-line P-trap	24
17.7. Wrot reducing coupling	25
17.8. Wrot Tee	25
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QE QUALITY® HEADQUARTERS

9400 N.W. 12 STREET  
DORAL, FL, U.S.A. 33172

TELEPHONE  
(305) 599-2222

FAX  
(305) 593-0069

TOLL FREE  
(800) 358-2014

EMAIL  
QEQUALITY@QEQUALITY.COM

WEB  
[www.qequality.com](http://www.qequality.com)