



# “QD” High Speed - High Flows

## For General Lab and Industrial Use



**QD** **CE**

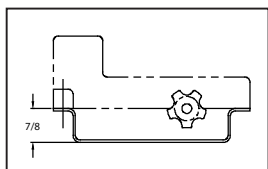
**Dimensions:**  
9 3/4" x 4 3/4" x 5 3/8"  
(248 x 121 x 137mm)

**Shipping weight:**  
10 lb (4.5 kg)

**Electrical:**  
115 VAC, 60Hz, 1Ø, 1.25 amps, 1/25 Hp, 1725 RPM, shaded 4 pole, TEFC, sparkless, thermally protected with 3 prong power cord. **CE**  
"Motor is UL recognized"



**Q485** Dial Indicator for ultra fine flow adjustment see (pg 22) for more info



**“Q” FIXED MOUNTING BASE KIT MB**

Sturdy mounting base accessory for “Q” Line metering pumps. Allows pumps to be firmly bolted to surface in horizontal or vertical operating position. Hardware for attaching base to pump and instructions included.

- No Valves to clog, hang up or service.
- Ceramic and fluorocarbon standard wetted materials.
- One Moving Part - Piston.
- Drift-Free accuracy better than  $\pm 1\%$ .
- Flow rate infinitely adjustable from 0 to 2208 ml/min in either direction.
- Convenient multi-position tilt stand for wall or counter mounting.
- Rugged, long life, fan cooled, thermally protected, ball bearing motor.

Drive + Pump Head = Complete Pump  
 Example: QD + Q3CKC =

### QD PDM (PUMP DRIVE MODULE)

MAX. Flow/Pressure				PDM	Piston Code	Drive Price
ML/MIN	GAL/HR	PSIG	BAR			
43.13	0.681			QD	RH00	
86.25	1.3				RH0	
138.0	2.1				Q0	
172.50	2.7	100	6.9		RH1	
552	8.6				Q1	
1242*	18.9	50	3.45		Q2	
2208*	30.0	25	1.72		Q3	

\*See General Specifications note (pg 27)



Drive Options
<b>230 VAC (50 Hz)*</b> Part Number: -2 <b>Price:</b>
<b>Mounting Base (pg.14)</b> Part Number: -MB <b>Price:</b>
<b>Dial Indicator (pg.22)</b> Part Number: -Q485 <b>Price:</b>
<b>Hazardous Duty (pg.8)</b> Part Number: QDX <b>Price:</b>

### PHM (PUMP HEAD MODULE)

Piston Size Code	Materials of Construction								
	CKC	CKY	CSC	CSY	SAN	SKY	SSY	STY	CTC
RH00									
RH0									
RH1									
Q0									
Q1									
Q2									
Q3									
<b>Wetted Parts</b>	Ceramic PVDF	Ceramic PVDF Carbon	Ceramic 316 SS	Ceramic 316 SS Carbon	Ceramic Teflon	316 SS PVDF Carbon	316 SS Carbon	316 SS Tefzel Carbon	Ceramic Tefzel
<b>MAX.Temp</b>	212° F	212° F	350° F	350° F	350° F	140° F	140° F	140° F	212° F
<b>Options</b>	(add Option Code & cost to Pump Module for complete price and part number)								
LF (pg.20)	N/C	N/C				N/C		N/C	N/C
W (pg.20)									
WT (pg.20)									
TC (pg.30)									
R479 (Pg.22)									
S ("Q" Only)									

\*See page 28 "Pump Head Materials Configuration" for additional information.





# “QG” Low Speed - Low Flows

## For General Lab and Industrial Use

- No Valves to clog, hang up or service.
- One Moving Part - Piston.
- Drift-Free accuracy better than  $\pm 1\%$ .
- Can be combined with all RH and Q Pump Head Modules.
- Flow rate infinitely adjustable from 0 to maximum in either direction.



**QG6,20**



**Dimensions:**  
10 3/4" x 4 7/8" x 5 3/4" wide  
(273 x 124 x 146 mm)

**Shipping weight:**  
10 lb (4.5kg)

**Electrical:**  
115 VAC, 60 Hz, 1Ø, 1 amp,  
6, 20 RPM,  
shaded 2 pole, enclosed  
ventilated, thermally  
protected, with 3 prong  
power cord - UL,CE.



**Q485** Dial Indicator for  
ultra fine flow adjustment  
(see pg 22) for more info



**Rotational Sensors**  
(see pg 20 for more info)

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application specialist at  
[www.fmipump.com](http://www.fmipump.com)

Example: Drive + Pump Head = Complete Pump  
          QG6 + Q1CSC =

### QG PDM (PUMP DRIVE MODULE)

MAX. Flow/Pressure				PDM	Piston Code	Drive Price
ML/MIN	GAL/HR	PSIG	BAR			
0.15	.002	100	6.90	QG6	RH00	
0.30	.004	100	6.90		RH0	
0.48	.007	20	1.38		Q0	
0.60	.009	100	6.90		RH1	
1.92	.030	75	5.17		Q1	
4.32	.068	50	3.45		Q2	
7.68	.119	25	1.72	Q3		
0.50	.007	100	6.90	QG20	RH00	
1.00	.015	100	6.90		RH0	
1.60	.025	20	1.38		Q0	
2.00	.031	100	6.90		RH1	
6.40	.101	50	3.45		Q1	
14.40	.227	40	2.76		Q2	
25.60	.399	25	1.72	Q3		



### Drive Options

**230 VAC (50/60 Hz)\***

Part Number: **-2**

**Price:**

**24 VAC (50/60 Hz)\***

Part Number: **-3**

**Consult Factory**

**Mounting Base (pg.14)**

Part Number: **-MB**

**Price:**

**Dial Indicator (pg.22)**

Part Number: **-Q485**

**Price:**

\*Flow Rates are reduced approximately 18% when operating on a 50 Hz electrical supply.

### PHM (PUMP HEAD MODULE)

Piston Size	Materials of Construction									
	Code	CKC	CKY	CSC	CSY	SAN	SKY	SSY	STY	CTC
RH00										
RH0										
RH1										
Q0										
Q1										
Q2										
Q3										
<b>Wetted Parts</b>	Ceramic PVDF	Ceramic PVDF Carbon	Ceramic 316 SS	Ceramic 316 SS Carbon	Ceramic Teflon	316 SS PVDF Carbon	316 SS Carbon	316 SS Tefzel Carbon	Ceramic Tefzel	
<b>MAX.Temp</b>	212° F	212° F	350° F	350° F	350° F	140° F	140° F	140° F	212° F	
<b>Options</b>	(add Option Code & cost to Pump Module for complete price and part number)									
LF (pg.20)	N/C	N/C					N/C		N/C	N/C
W (pg.20)										
WT (pg.20)										
TC (pg.30)										
R479 (Pg.22)										
S ("Q" Only)										

\*See page 28 "Pump Head Materials Configuration" for additional information.



# Low Speed - Low Flows "QG"

## For General Lab and Industrial Use



- A choice of five different drive speeds.
- Ceramic and fluorocarbon standard wetted materials.
- Long-life, fan cooled, thermally protected, ball bearing gear motors.
- Convenient multi-position tilt stand for wall or counter mounting.

### QG PDM (PUMP DRIVE MODULE)

MAX. Flow/Pressure				PDM	Piston Code	Drive Price
ML/MIN	GAL/HR	PSIG	BAR			
1.25	.019	100	6.90	QG50	RH00	
2.50	.039				RH0	
4.00	.063				Q0	
5.00	.079				RH1	
16.00	.252				Q1	
36.00	.568	25	1.72	QG150	Q2	
64.00	.998				Q3	
3.75	.059				RH00	
7.50	.118				RH0	
12.00	.189				Q0	
15.00	.237	100	6.90	QG400	RH1	
48.00	.758				Q1	
108.00	1.706				Q2	
192.00	2.995				Q3	
10.00	.158				100	
20.00	.316	RH0				
32.00	.505	Q0				
40.00	.632	RH1				
128.00	2.022	Q1				
288.00*	4.550	25	1.72	QG400	Q2	
512.00*	7.987				Q3	



#### Drive Options

**230 VAC (50/60 Hz)\***

Part Number: -2

**Price:**

**24 VAC (50/60 Hz)\***

Part Number: -3

**Price:**

**Mounting Base (pg.14)**

Part Number: -MB

**Price:**

**Dial Indicator (pg.22)**

Part Number: -Q485

**Price:**



**QG50,150,400**

#### Dimensions:

10 3/4" x 4 7/8" x 5 3/4" wide  
(273 x 124 x 146 mm)

#### Shipping weight:

10 lb (4.5 kg)

#### Electrical:

115 VAC, 60 Hz, 1Ø, 1 amp, 50, 150, 400 RPM, shaded 2 pole, enclosed ventilated, thermally protected, with 3 prong power cord - UL, CE.

\*See Page 27 for General Specification notes

### PHM (PUMP HEAD MODULE)

Piston Size	Materials of Construction									
	Code	CKC	CKY	CSC	CSY	SAN	SKY	SSY	STY	CTC
RH00										
RH0										
RH1										
Q0										
Q1										
Q2										
Q3										
Wetted Parts	Ceramic PVDF	Ceramic PVDF Carbon	Ceramic 316 SS	Ceramic 316 SS Carbon	Ceramic Teflon	316 SS PVDF Carbon	316 SS Carbon	316 SS Tefzel Carbon	Ceramic Tefzel	
MAX.Temp	212° F	212° F	350° F	350° F	350° F	140° F	140° F	140° F	212° F	
Options	(add Option Code & cost to Pump Module for complete price and part number)									
LF (pg.20)	N/C	N/C				N/C			N/C	N/C
W (pg.20)										
WT (pg.20)										
TC (pg.30)										
R479 (Pg.22)										
S ("Q" Only)										

\*See page 28 "Pump Head Materials Configuration" for additional information.



#### PD-60-LF

Pulse Damper Accessory  
(see pg 22) for more info.

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