



"V" Variable Speed

Ideal For Automatic Process Control

- Adjustable from 90 to 1800 strokes per minute for the **QV**, and 5 to 50 strokes per minute for the **QVG50**
- Q2V Ratio-Matic®** duplex for proportional metering using a single drive.
- Q2V Ratio-Matic®** duplex reduces pulsation by 50%
- Quick connect to V300 Controller (included).

*Best Value!
Most Versatile!*



QV/QVG50

QV
Motor Electrical: 1800 spm, TENV.

Dimensions:
10" x 4 5/8" x 4 7/8" wide
(254 x 117 x 124 mm)

Shipping weight:
QV : 10 lb (4.5 kg)
V300: 5 lb (2.25 kg)

QVG50
Motor Electrical: 50 spm, TENV.

Dimensions:
11" x 5" x 5 3/4" wide
(279 x 127 x 146 mm)

Shipping weight:
15 lb (6.75 kg)



RHV

Dimensions:
7 1/8" x 3" x 3" wide
(181 x 76 x 76 mm)

Shipping weight :
7 lb (3.15 kg)
V300: 5 lb (2.25 kg)

Electrical:
1800 spm, TENV.

Drive + Pump Head = Complete Pump
Example: QVG50 + Q3CKC =

QV/QVG50/Q2V PDM (Includes V300)

MAX. Flow/Pressure				PDM	Piston Code	Price V300
ML/MIN	GAL/HR	PSIG	BAR			
1.25	.019	100	6.90	QVG50	RH00	
2.50	.039				RH0	
4.00	.063				Q0	
5.00	.079				RH1	
16.00	.252				Q1	
36.00	.568	Q2				
64.00	.998	25	1.72	Q3		
45	.71	100	6.90	QV	RH00	
90	1.4				RH0	
144	2.2				Q0	
180	2.8				RH1	
576*	9.1				Q1	
1296*	20.4	50	3.45	Q2		
2304*	35.9	25	1.72	Q3		



Drive Options
Dial Indicator (pg.28) Part Number: - Q485 Price:
Mounting Base (pg.14) Part Number: -MB Price:

Call Us. We Have The Answers.

*See Page 3 for General Specification notes

"RHV" Low Flow (0-180 ml/min max)

- No Valves to clog, hang up or service.
- Ceramic and PVDF standard wetted materials - Tefzel available.
- One moving part - piston.
- Accuracy of better than $\pm 1\%$ = Drift Free Operation.
- Drift-free flow ranges up to 180 ml/min, pressures from -10 to 100 psig.
- Easy grip flow control ring graduated in 450 divisions.
- Instant adjustment of flow while running.
- Adjustable from 90 to 1800 strokes per minute.
- Quick connect to V300 Controller (included).

RHV Pumps (Includes V300)

MAX. Flow/Pressure			Complete Pump	Wetted Parts	MAX. Temp	Price V300		
ML/MIN	PSIG	BAR						
45	100	6.90	RHV00SKY	316 SS/PVDF/Carbon	140° F			
90			RHV0CKC					
180			RHV1CKC				Ceramic / PVDF	212° F
45			RHV00CTC	Ceramic / Tefzel	140° F			
90			RHV0CTC					
180			RHV1CTC	Ceramic / Tefzel	212° F			



Variable Speed "V"

Variable Stroke Rate to 2300 ml/min



New

"V300" Automatic Rate Control/System QV, QVG50, RHV and Q2V Pump Drive Modules

- Selectable 4-20 mA, 0-5 VDC, & 0-10 VDC input for automatic control.
- Membrane Switches for manual Flow Rate Settings and Start / Stop functions.
- Start, Stop & Reverse Flow while maintaining flow settings.
- Large 3 Digit LCD Flow Display.
- Universal Power Input accepts 100-240 VAC 50/60 Hz
- Rugged, anodized aluminum enclosure designed for both bench-top & wall mounting

Dimensions: 7 1/4" x 5 1/8" x 6 1/4" wide
182 mm x 128 x 159 mm



V300



Selectable 4-20 mA, 0-5 VDC, & 0-10 VDC input for automatic control. QV, QVG50, RHV & Q2V Pump Drive Modules.



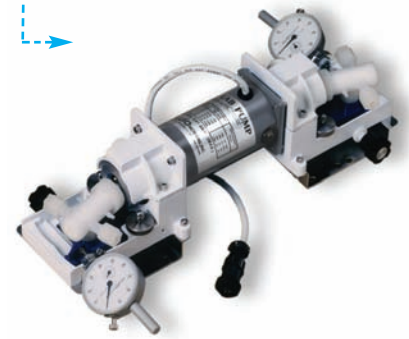
Digital LCD Flow Display

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									
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.27)	N/C	N/C				N/C		N/C	N/C
W (pg.26)									
WT (pg.26)									
TC (pg.26)									
R479 (Pg.28)									
S ("Q" Only)									

RATIO:MATIC®

Proportional Dual Head Pump Drive Module



Q2V

Dimensions :
15" x 4 7/8" x 5 1/8" wide
(381 x 124 x 130 mm)
Shipping weight:
15 lb (6.75 kg)

*See page 4 "Pump Head Materials Configuration" for additional information.
**Q1 & Q2 = \$30 / Q3 = \$40



Direct Current "QB"

For Mobile, and Remote Applications



- No Valves to clog, hang up or service.
- One Moving Part - Piston.
- Drift Free accuracy better than $\pm 1\%$.
- Offers the advantage of mechanical adjustment of stroke length, plus electrical control of stroke rate by voltage variation.
- Extended motor shaft accepts user supplied Rotational Sensor.



QB

QB PUMPS: Rated at 1800 spm (or approximately 8 volts for 12 VDC models.)

Dimensions: 10 1/2" x 5" x 4 1/2" wide (267 x 127 x 114 mm)

Shipping weight: 8 lb (3.6kg)

Electrical: 12 VDC, 4 amps; 24 VDC, 3 amps 90 VDC, 0.41 amps, totally enclosed with 6" pigtail leads. Shaft extension: 5/16" dia. x 1" long with flat.

Example: Drive QB + Pump Head Q1CKC = Complete Pump

QB PDM (PUMP DRIVE MODULE)

MAX. Flow/Pressure			PDM	Piston Code	Drive Price
ML/MIN	PSIG	BAR			
45				RH00	
90				RH0	
144	100	6.90	QB	Q0	
180				RH1	
576*	70	4.38		Q1	
1296*	30	2.07		Q2	
2304*	25	1.72		Q3	



Drive Options

Dial Indicator (pg.28)

Part Number: **-Q485**

Price:

Mounting Base (pg.14)

Part Number: **-MB**

Price:

90 VDC (0.41 amps)

Part Number: **-5**

Price:

*See Page 3 for General Specification notes

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									
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.27)	N/C	N/C				N/C		N/C	N/C
W (pg.26)									
WT (pg.26)									
TC (pg.26)									
R479 (Pg.28)									
S ("Q" Only)									

*See page 4 "Pump Head Materials Configuration" for additional information.

**Q1 & Q2 = \$30 / Q3 = \$40



RATIO:MATIC®

Q2B

Q2B Pump: is a proportional dual head, pump drive module.

Price:

Dimensions: 15" x 4 7/8" x 5 1/8" wide (381 x 124 x 130 mm)

Shipping weight: 13 lb (5.89 kg)

Electrical: 12 VDC, 4 amps; 90 VDC, 0.41 amps, totally enclosed with 6" pigtail leads.

Fluid Techs Ready to help you !



Pneumatic "PD" For Non Electric Operation



- Provides a compact, variable speed, air powered drive.
- Ideal power alternative when electrical power source not available.
- SPD** up to 1800 strokes per minute.
- GPD** up to 400 strokes per minute.

Example: Drive + Pump Head = Complete Pump
SPD + Q1CKC =

SPD PDM (PUMP DRIVE MODULE)

MAX. Flow/Pressure			PDM	Piston Code	Drive Price
ML/MIN	PSIG	BAR			
45	100	6.90	SPD	RH00	
90				RH0	
144				Q0	
180				RH1	
576				Q1	
1296	50	3.45	GPD	Q2	
2304	25	1.72		Q3	

GPD PDM (PUMP DRIVE MODULE)

MAX. Flow/Pressure			PDM	Piston Code	Drive Price
ML/MIN	PSIG	BAR			
10.00	100	6.90	GPD	RH00	
20.00				RH0	
32.00				Q0	
40.00				RH1	
128.00				Q1	
288.00*	40	2.76	GPD	Q2	
512.00*	25	1.72		Q3	

*See Page 3 for General Specification

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									
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.27)	N/C	N/C				N/C		N/C	N/C
W (pg.26)									
WT (pg.26)									
TC (pg.26)									
R479 (Pg.28)									
S ("Q" Only)									

*See page 4 "Pump Head Materials Configuration" for additional information.
**Q1 & Q2 = \$30 / Q3 = \$40

Drive Options

Dial Indicator (pg. 28)
Part Number: **-Q485**
Price:

FMI Pulse Dampener (pg. 29)
Part Number: **"58003"**
Price:

SPD
GPD

Dimensions:
8" x 3" x 3" wide
(203 x 76 x 76 mm)

Specification:
SPD: Air requirements
9-10 CFM at 40 psig.
Air Inlet size: 1/8" (F) NPT.

GPD: Heavy-duty gear box
Air requirements:
14-16 CFM at 40 psig.
Air Inlet size: 1/8" (F) NPT.

Shipping weight: 9 lb (4.05 kg).



Q485 Dial Indicator for ultra fine flow adjustment
Price: (pg 28 for more info)

Can't decide?
Call us, we have the answers.

