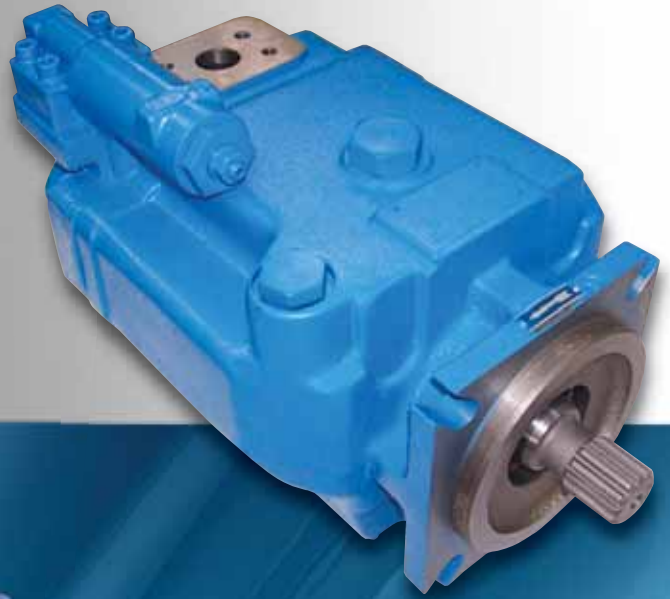
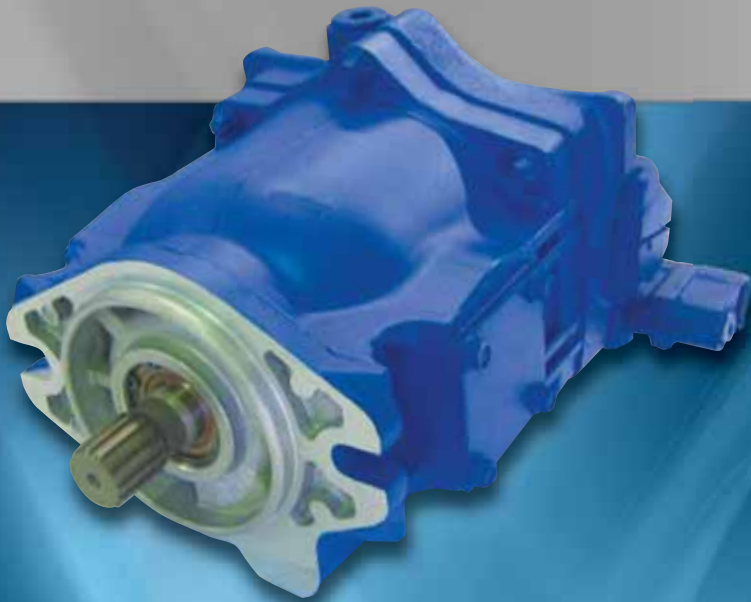




**PVH, PVB, PVQ & PVE
Piston Pumps & Parts**



www.FluidyneFP.com



Our Promise: People Make the Difference



Our promise at FluidDyne is to provide the fluid power industry with high quality, fully tested and technically supported hydraulic pumps, motors and valves. We produce our products in the most cost effective manner possible and share the saving with our customers. We understand and value the local service and support provided by repair shops, resellers and Distributors to the OEM's and Users of fluid power machines. We do not compete with our customers; rather we work with our channels as partners in their success and to advance the technology of fluid power.

Our strength is our people. We focus on personal development and a long term commitment to our staff. We recognize knowledgeable people are a valuable part of the service a business organization provides. We stress a commitment to learning and customer support at every level of the FluidDyne organization. Customer Service, Engineering, Quality, Man-

ufacturing, Inventory, Shipping and Management all work together to serve our customers. We believe in treating everyone inside and outside the company with professionalism and respect.

Application and technical support for our products is easy access, and we pride ourselves in not having a switchboard or phone tree. The person, who picks up the phone, helps the customer. We like it simple; we like it direct. Our inventory is extensive and our people are skilled at assembly, modifications and testing. Our product leaves the factory fast (often the same day) and it leaves correct, tested and documented. If there is a mistake, we work hard to make it right, quickly and fairly.

Please call or email to learn more about FluidDyne, our products and people make us special.

- **New FluidDyne and Remanufactured Products**
- **Outstanding Customer Service**
- **Custom Proprietary software allows immediate & accurate technical support, quoting, order entry & bill of material information**
- **18 month warranty**
- **Standard & Modified Products**

- **Extensive Michigan Inventory**
- **Twelve test stands that allow for quick 100% testing of all units shipped**
- **ISO Certified**
- **End Customer Protection**
- **Performance you have come to expect**
- **Blind Drop Shipments**



Visit
www.FluidDyneFP.com

Email: cs@FluidDyneFP.com



Model Codes

PVB – Variable Displacement Piston Pump

PVB	5	R	S	Y	20	CG	C	11
1	2	3	4	5	6	7	8	9

1 Model Series
PVB – Variable displacement pump

2 Displacement
5 – 10.55 cm³/r (0.64 in³/r)
6 – 13.81 cm³/r (0.84 in³/r)
10 – 21.10 cm³/r (1.29 in³/r)
15 – 33.00 cm³/r (2.01 in³/r)
20 – 42.80 cm³/r (2.61 in³/r)
29 – 61.60 cm³/r (3.76 in³/r)

3 Shaft Rotation (Viewed at shaft end)
R – Clockwise
L – Counter Clockwise

4 Displacement Zone
S – One side of center
(Pressure Compensated models only)

5 Shaft Type
Y – SAE models P*B5 through 15 only

6 Pump Design Number
40 – 5 or 6 displacement
40- 10 or 15 displacement
20 – 20 or 29 displacement

7 Displacement Control Options
C – Pressure Compensator
Pressure adjustment range:
17 to 210 bar (250 to 3000psi)
CM – Pressure Compensator
Pressure adjustment range:
17 to 100 bar (250 to 1500 psi)
CG – Remotely adjustable
pressure setting

8 Optional Features
C – Adjustable Maximum
Displacement Stop

9 Compensator Design
11 – “C” and “CM” control
20 – “CG” control



*All manufactures names and part numbers are used for reference only.

PVQ - Variable Displacement Piston Pump

PVQ	13	A2	R	SE	1	S	20	C-11	D
1	2	3	4	5	6	7	8	9	10

1 Model Series
PVQ – In-line Piston Pump
Variable Volume Quiet Series

2 Displacement
10 – 10.5 cc/rev (0.64 cir)
210 bar (3000 psi)
13 – 13.8 cc/rev (0.84 cir)
140 bar (2000 psi)
20 – 20 cc/rev (1.28 cir)
210 bar (3000 psi)
32 – 32 cc/rev (2.01 cir)
140 bar (2000 psi)

3 Mounting Flange
A2 – Flange SAE “A”
B2 – SAE “B” 2-bolt

4 Rotation Viewed from shaft end
R – Right hand, standard
L – Left hand, optional

5 Ports, Type and Location
SE – SAE O-ring rear port
SS – SAE O-ring side port

6 Shaft, Inputs
1 – Straight keyed SAE “A” modified
(.75” dia. X 1.75” long)
3 – Splined SAE “A” modified
(9T 16/32 DP major dia. Fit)

7 Seals
S – Buna N, standard
F – Fluorocarbon, optional

8 Pump Design Series
20

9 Control Type
C-11 – Pressure Compensator
CM-11 – Low Pressure Compensator
C**V**B-12 – Load Sensing
with bleed down orifice
C**V**P-12 – Load sensing
without bleed orifice
CG-20 – pressure compensator
modified for hydraulic remote control

10 Control Option
Blank – Without adjustable Max.
displacement stop (standard)
D – Max. adjustable displacement
stop (optional)

*All manufactures names and part numbers are used for reference only.

These new pumps are available in quantities to support OEM builders.
Competitive Prices • Superior Quality

100% New Pumps & Parts

PVE - Variable Displacement Piston Pump

PVE	21	R	9	30	C-10
1	2	3	4	5	--6

1 Model Series
PVE – Pump, variable displacement

2 Flow Rating @ 1800 rpm
19 – 19 USgpm
21 – 21 USgpm



3 Shaft Rotation (Viewed from shaft end)
R – Right Hand (Clockwise)
L – Left Hand (Counter Clockwise)

4 Input Shaft
1 – SAE B-B straight thread
2 – SAE B-B 15 tooth spline
9 – SAE B 13 tooth spline

5 Pump Design Number
30 – Design

6 Control Type & Design

C-10 – Pressure compensated (PVE19, 250-3000 psi) (PVE21, 250-2700 psi)

CG-20 – Remote control pressure compensator adjustable from 350-3000 psi using an external relief valve

CV-10 – Load sensing PVE 19/21

CVP-12 – Load sensing (160 PSD) with pressure compensation PVE 19/21

CVPC-12 – Load sensing (350 PSD) with pressure compensation PVE 19/21

*All manufactures names and part numbers are used for reference only.

PVH - Variable Displacement Piston Pump

PVH	98	QI	C	R	A	F	2	S	10	C	25	V	31
1	2	3	4	5	6	7	8	9	10	11	12	13	14

1 Model Series
PVH – Piston Pump

2 Maximum Geometric Displacement
57 – 57,4 cm³/r (3.5 in³/r)
74 – 73,7 cm³/r (4.5 in³/r)
98 – 98,3 cm³/r (6.0 in³/r)
131 – 131,1 cm³/r (8.0 in³/r)

3 Design/Application
Blank – Design for mobile applications
QI – Quiet design for industrial applications

4 Mounting Flange, Prime Mover End
C – SAE “C” 4-bolt type

5 Shaft Rotation (viewed at prime mover end)
R – Right hand, clockwise
L – Left hand, counterclockwise



6 Configuration
Blank – Non-thru-drive (single pump)
A – Thru-drive pump with SAE “A” 2-bolt rear flange mounting
B – Thru-drive pump with SAE “B” 2 and 4-bolt rear flange mountings
C – Thru-drive pump with SAE “C” 2 and 4-bolt rear flange mountings
S – Adjustable maximum volume stop (Non-thru drive and non-torque control models only)

7 Main Ports
F – SAE 4-bolt flange ports

8 Shaft-End Type, at Prime Mover End
1 – SAE “C” straight keyed
2 – SAE “C” splined 14 tooth 12/24 D.P
3 – SAE “CC” splined 17 tooth 12/24 D.P
12 – SAE “D” splined 13 tooth 12/24 D.P
13 – SAE “CC” straight keyed
16 – SAE “D” straight keyed

9 Shaft Seal, Prime Mover End
S – Single, one way
D – Double, two way
Recommended on second pump of tandem assembly (PVH**/PVH**) and “wet mount” applications

10 Pump Design Number
10 (Subject to change, installation dimensions unaltered for design numbers 10 to 19 inclusive.)

11 Pressure Compensator and Adjustment Range
C – 70-250 bar (1015-3625 psi)
CM – 40-130 bar (580-1885 psi)

12 Pressure Compensator Factory Setting in Tens of Bar
25 – Normal factory setting of 250 bar (3625 psi) for “C” models
7 – Normal factory setting of 70 bar (1015 psi) for “CM” models

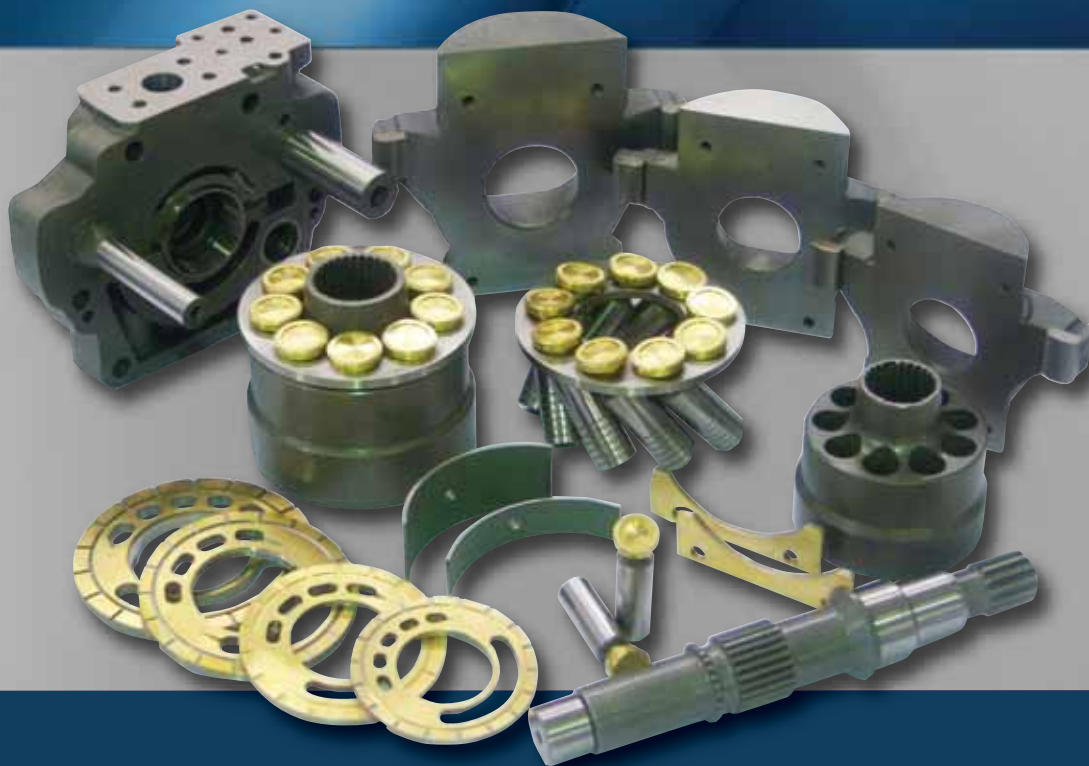
13 Additional Control Functions
Blank – No additional controls
V – Load sensing, 20 bar (290 psi)

14 Control Design Number
31 – C, CM, C**V, or IC controls

*All manufactures names and part numbers are used for reference only.

TECHNICAL DATA

Model Code	Displacement cm ³ /r (in ³ /r)	Max RPM @ 0 inlet pressure	Max Pressure (psi)
PVB			
PVB5	10.55 (.64)	1800	3000
PVB6	13.81 (.84)	1800	2000
PVB10	21.1 (1.29)	1800	3000
PVB15	33.0 (2.01)	1800	2000
PVB20	42.80 (2.61)	1800	3000
PVB29	61.6 (3.76)	1800	2000
PVQ			
PVQ10	10.5 (0.643)	1800	3000
PVQ13	13.8 (.843)	1800	2000
PVQ20	21.1 (1.290)	1800	3000
PVQ32	32.9 (2.010)	1800	2000
PVE			
PVE19	41 (2.50)	2400	3000
PVE21	45.1 (2.75)	2400	2700
PVH			
PVH57	57.4 (3.5)	2400	3625
PVH74	73.7 (4.5)	2200	3625
PVH98	98.3 (6.0)	2100	3625
PVH131	131.1 (8.0)	2000	3625



Extensive Parts Inventory for PVB, PVQ, PVE and PVH Piston Pumps.



PUMPS & MOTORS

VICKERS / EATON

- ▲ Genuine FluidDyne
- Remanufactured products

VHO / VQ Single, Double & Triple

- ▲ ■ 20,25,30,35,40,45 (V/VQ)
- ▲ ■ 2520, 2521, 3520, 3525, 4520, 4525, 4535 (V/VQ)
- ▲ ■ Cart Kits available for all sizes

*Caterpillar part numbered pumps also available

Round Pumps

- V104/5, V108/9, V110/1, V124/5, V128/9, V134/5
- V144/5, V148/9, V350/3/6, V360/1/2, V368/9/70
- VC108, 138, 148 Combination Pumps

Motors

- MHT 32, 50, 70, 90, 150, 250, 330, 440, 500, 660, 750, 1000
- ▲ ■ 25M, 26M, 35M, 36M, 45M, 46M, 50M

- Aftermarket
- ◆ Veljan

Square Pumps

- ▲ ■ V10F, V10NF, V10P, V20F, V20NF, V20P
- ▲ ■ V10, V20, V2010, V2020

Piston Pumps

- ▲ ■ PVH 57, 74, 98, 131, 141
- ▲ ■ PVE 12, 19, 21, 27, 35, 47, 62
- MVE 19
- MFE 15, 19
- ▲ ■ (M) PVB / (M) FB 5, 6, 10, 15, 20, 29, 45, 90

Transmissions

- TA, 15, 19, 1919, 19V, 21

RACINE/BOSCH

- ▲ ■ PSV 10, 15, 20, 25, 40
- ▲ ■ PSV 80, 100
- ■ PVF, PVQ, PVR
- ■ PVK, PVT, PVS
- VPV

REXROTH

- ▲ ■ A10V 28, 45, 63, 85 Series 52/53
- ▲ ■ A(A)10V 18, 28, 45, 71, 100, 140

OILGEAR

- PVW (W) (H) 06, 10, 15, 20, 34, 45, 60

VALVES

Pressure Controls/Relief

- X (C) G or T 03, 06, 10
- ▲ ■ CT/CG/CS/CF 03, 06, 10

Check Valves

- ▲ ■ CG5
- 4CT, 4CG
- DT8P1

Needle Valves

- ▲ ■ 1/8, 1/4, 3/4, 1 1/2

Directional Valves

- ▲ ■ D03-DG4V3, D05-DG4S4, DG4V5, DG5V5
- ▲ ■ D08-DG5S4-06, DG5S8, DG5V8, DG5VH8, D07-DG4S4-04, DG5V7
- ▲ ■ DG17V/S 03, 05
- ▲ ■ D03, D05, D07, D08 Manifold/Subplates
- ▲ ■ Sandwich, flow, pressure and Check Modules for D03, D05, D07, D08

CHAR-LYNN

- ▲ H Series
- ▲ S Series
- ▲ 2000, 10,000 Series
- ▲ 4000, 6000 Series

DENISON

- T6
- M4C, M4D, M4E
- PV 6, 10, 15, 20, 29

VELJAN

- ◆ VT6C, VT6D, VT6E, T7
- ◆ VT6CC, VT6DC, VT6EC, VT6ED
- ◆ VM4C, VM4D

FILTERS

FluidDyne has a full range of replacement filter elements and filter housings for:

- Pall
- Schroeder
- Hycon
- Hydac
- Vickers
- Parker

*Manufacturers names and numbers are for reference only



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