



Fluidyne™

FLUID POWER

Fluidyne VHO/VQ Cartridge Kits Complete Pumps

- A technically advanced manufacturing facility.
- ISO Certified twelve production test stands – products are 100% tested prior to shipment.
- 18 month warranty on all products.
- Proprietary computer system to support customer service.
- 95% same or next day delivery.

Our People Make the Difference!



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,

Manufacturing, 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

Single Pump Model Code



SAMPLE CODE:

25V_(Q)

TABLE 1

21

TABLE 2

A

TABLE 3

1

TABLE 4

C

TABLE 5

22

TABLE 6

L

TABLE 7

Table 1

Series Designation

25V (Q)
35V (Q)
45V (Q)

Table 2

Rated Capacity

@ 1200 RPM, 100 PSI

25V (Q)

10 GPM (38 l/min.)
12 GPM (45 l/min.)
14 GPM (53 l/min.)
17 GPM (64 l/min.)
21 GPM (79 l/min.)

35V (Q)

25 GPM (94 l/min.)
30 GPM (113 l/min.)
35 GPM (132 l/min.)
38 GPM (143 l/min.)

45V (Q)

42 GPM (158 l/min.)
50 GPM (189 l/min.)
60 GPM (226 l/min.)

Table 3

Port Connections

A- SAE 4 Bolt

Table 4

Shaft Type

*1- Straight Keyed (Standard)
86- H.D. Straight Key
11- SAE Splined

Table 5

Outlet Position

A – Outlet Opposite from Inlet
B – Outlet 90 Counter Clockwise from Inlet
C – Outlet in line with Inlet
D – Outlet 90 Clockwise from Inlet

Table 6

Design Series Number

Table 7

Rotation (Viewed from shaft end)

L- Left Hand Rotation
R- Right Hand Rotation (or omit)

Fluidyne supports the distributors providing local knowledge and assistance to fluid power customers.

Our people provide extensive support:

- Engineering expertise
- Advise on component repair and assembly
- New application component selection
- Decoding special part number
- Component failure analysis
- Same day shipment
- Identification of parts within units
- Massive local stock
- 18 month warranty



Double Pump Model Code



SAMPLE CODE:

2520V (Q)

TABLE 1

12

TABLE 2

A

TABLE 3

11

TABLE 4

1

TABLE 5

CC

TABLE 6

22

TABLE 7

L

TABLE 8

Table 1

Series Designation

2520V (Q) 4520V (Q)
3520V (Q) 4525V (Q)
3525V (Q) 4535V (Q)

Table 2

Shaft End Pump Capacity Rated Capacity @ 1200 RPM, 100 PSI

25V (Q) **45V (Q)**
10 GPM (38 l/min.) 42 GPM (158 l/min.)
12 GPM (45 l/min.) 50 GPM (189 l/min.)
14 GPM (53 l/min.) 60 GPM (226 l/min.)
17 GPM (64 l/min.)
21 GPM (79 l/min.)
35V (Q)
25 GPM (94 l/min.)
30 GPM (113 l/min.)
35 GPM (132 l/min.)
38 GPM (143 l/min.)

Table 3 SAE Port Connections

Code	Inlet	Out. #1 Shaft End	Out # 2 Cover End	Pump Series
A	4-bolt Flg.	4-bolt flg.	4-bolt flg.	All
C	4-bolt flg.	SAE St. Thd.	SAE St. Thd.	2520
E	4-bolt flg.	4-bolt flg.	SAE St. Thd.	All except 4535

Table 4

Cover End Capacity @ 1200 RPM, 100 PSI

****20V (Q)** ****35V (Q)**
2 GPM (7.6 l/min.) 25 GPM (94 l/min.)
5 GPM (18.9 l/min.) 30 GPM (113 l/min.)
8 GPM (30.2 l/min.) 35 GPM (132 l/min.)
9 GPM (34 l/min.) 38 GPM (143 l/min.)
11 GPM (41.5 l/min.)
12 GPM (45 l/min.)
14 GPM (53 l/min.)
****25V (Q)**
12 GPM (45 l/min.)
14 GPM (53 l/min.)
17 GPM (64 l/min.)
21 GPM (79 l/min.)

Table 5

Shaft Type (Single shaft seal pumps)

*1- Straight Keyed (Standard)
86- H.D. Straight Key
11- SAE Splined

Table 6

Outlet Positions (Viewed from cover end of pump)

All series except 4535V

With No. 1 Outlet Opposite Inlet

AA-No. 2 Outlet 135 CCW from Inlet
AB-No.2 Outlet 45 CCW from Inlet
AC-No.2 Outlet 45 CW from Inlet
AD-No. 2 Outlet 135 CW from Inlet

With No. 1 Outlet 90 CCW from Inlet:

BA-No.2 Outlet 135 CCW from Inlet
BB-No.2 Outlet 45 CCW from Inlet
BC-No.2 Outlet 45 CW from Inlet
BD-No.2 Outlet 135 CW from Inlet

With No.1 Outlet inline with Inlet:

CA-No.2 Outlet 135 CCW from Inlet
CB-No.2 Outlet 45 CCW from Inlet
CC-No.2 Outlet 45 CW from Inlet
CD-No.2 Outlet 135 CW from Inlet

With No. 1 Outlet 90 CW from Inlet:

DA-No.2 Outlet 135 CCW from Inlet
DB-No.2 Outlet 45 CCW from Inlet
DC-No.2 Outlet 45 CW from Inlet
DD-No.2 Outlet 135 CW from Inlet

Series 4535V

With No. 1 Outlet Opposite Inlet

AA-No.2 Outlet Opposite Inlet
AB-No.2 Outlet 90 CCW from Inlet
AC-No.2 Outlet Inline with Inlet
AD-No.2 Outlet 90 CW from Inlet

With No. 1 Outlet 90 CCW from Inlet:

BA-No.2 Outlet Opposite Inlet
BB-No.2 Outlet 90 CCW from Inlet
CC-No.2 Outlet Inline with Inlet
DD-No.2 Outlet 90 CW from Inlet

With No.1 Outlet inline with Inlet:

CA-No.2 Outlet Opposite Inlet
CB-No.2 Outlet 90 CCW from Inlet
CC-No.2 Outlet Inline with Inlet
CD-No.2 Outlet 90 CW from Inlet

With No. 1 Outlet 90 CW from Inlet:

DA-No.2 Outlet Opposite Inlet
DB-No.2 Outlet 90 CCW from Inlet
DC-No.2 Outlet Inline with Inlet
DD-No.2 Outlet 90 CW from Inl

Table 7

Design Series Number

Table 8

Rotation

(Viewed from shaft end)

L- Left Hand Rotation
R-Right Hand Rotation
(or omit)

**OUR
PEOPLE
MAKE THE
DIFFERENCE**



VHO / VQ Cart Kits



Industrial

20/25 Series	30/35 Series
20V05	35V25
20V08	35V30
20V11	35V35
20V12	35V38
20V14	
25V12	45 Series
25V14	45V42
25V17	45V50
25V21	45V60

Mobile

20/25 Series	30/35 Series	45 Series
20VQ05	30VQ24	45VQ42
20VQ08	30VQ28	45VQ50
20VQ11	35VQ21	45VQ60
20VQ12	35VQ25	45VQ57
20VQ14	35VQ30	
25VQ12	35VQ35	
25VQ14	35VQ38	
25VQ19		
25VQ21		

VHO / VQ Single, Double & Triple Pumps

Conversion capabilities available for many model types!

Sizes Available:

Fluidyne New & Reman.

- 20, 25, 30, 35, 45, 50 (V / VQ)
- 2520, 3520, 3525, 4520, 4525, 4535 (V / VQ)



Parts Available



Supporting the channels

means shipping our high quality products to the distributors and repair shops which provide local knowledge and assistance to the users and builders of fluid power equipment.



Caterpillar Conversions

We can convert caterpillar pump numbers to remanufactured Vickers or Genuine Fluidyne products!



586.296.7200 • www.FluidyneFP.com

PUMPS & MOTORS

VICKERS / EATON

- ▲ Genuine FluiDyne
- 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

FluiDyne 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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An ISO 9001:2008 Company