



Western Fluidyne™

Replacement Pumps & Parts A10V / VSO18, 28, 45, 71, 100 & 140

- 18, 28, 45, 71, 100 & 140 frame sizes available
- Industrial & mobile, single models, A10V / AA10V
- DR, DFR, DRG, DFLR, DFR1 Controls
- Same Day shipment of units or parts orders
- SAE & Metric Units



Excellence
Under
Pressure™

Our Promise: *People make the difference*

Western FluidDyne sources from some of the world's newest progressive and technically advanced manufacturers. We are able to consistently produce high quality remanufactured Vickers, Racine, Denison, Oil Gear, Char-Lynn, and Rexroth pumps, motors, and valves. We also carry a complete line of New FluidDyne products to replace Vickers, Racine, Char-Lynn and Rexroth units in OEM and user applications. These products are 100% interchangeable in fit, form and function and are backed by over thirty years of hydraulic application, service and manufacturing experience.

Western FluidDyne is one of the very few hydraulic remanufacturing facilities in the world with ISO 9001 certification. We approach your technical problems, shipment demands and cost challenges in the simplest way possible. We

don't stand on formality but work within our entire system to get you what you need when you need it. We consider ourselves your inside technical support group and our people will go out of their way to meet your needs.

We maintain a massive inventory with a machining, finishing, assembly, and quality control operation in Fraser, MI. Our units and parts inventory allow us to ship a wide range of standard and modified products "same day". Prior to shipment, products undergo a complete documented pressure and flow performance test. These test results are printed on the bottom of your packing list and all products are given a two-year warranty. One of the reasons customers buy from Western FluidDyne is our consistent high quality (one of the lowest return rates in the industry) and because we provide:

- **New FluidDyne and Remanufactured Products**
- **Outstanding Customer Service**
- **Custom Proprietary software allows immediate & accurate technical support, quoting, order entry & bill of material information**
- **Two year 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**



Specification Charts

Performance Data (A) A10V / VSO 18-140, Series 31

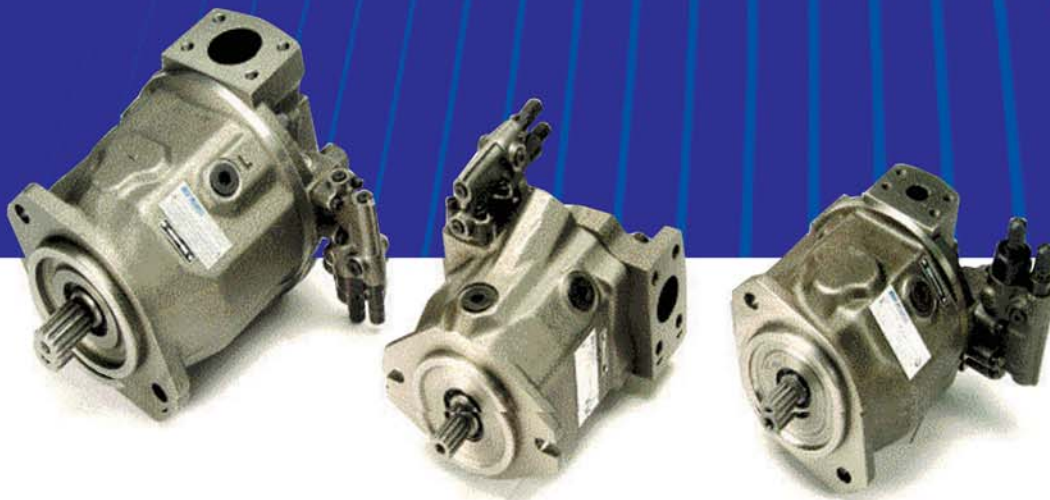
Size	18	28	45	71	100	140
Pressure	4000 PSI 280 BAR	4000 PSI 280 BAR	4000 PSI 250 BAR	4000 PSI 280 BAR	4000 PSI 280 BAR	4000 PSI 280 BAR
Peak Pressure	5100 PSI 350 BAR	5100 PSI 350 BAR	5100 PSI 315 BAR	5100 PSI 350 BAR	5100 PSI 350 BAR	5100 PSI 350 BAR
Displacement IN. 3/REV	1.1 CU. IN.	1.71 CU. IN.	2.75 CU. IN.	4.33 CU. IN.	6.10 CU. IN.	8.54 CU. IN.
Maximum Flow	15.7 GPM 59.4 Liters	22 GPM 84 Liters	31 GPM 117 Liters	41 GPM 156 Liters	53 GPM 200 Liters	67 GPM 252 Liters
Maximum Speed	3300 RPM	3000 RPM	2600 RPM	2200 RPM	2000 RPM	1800 RPM

Precision Built and Totally Interchangeable

Variable displacement axial piston pumps are designed for open loop hydraulic systems. Flow is proportional to the drive speed by adjusting the position of the swash plate, it is possible to smoothly vary the flow.

Performance Data (A) A10V / VSO 28, 45 Series 52

Size	28	45
Pressure	3600 PSI 280 BAR	3600 PSI 250 BAR
Peak Pressure	4600 PSI 350 BAR	4600 PSI 315 BAR
Displacement IN. 3/REV	1.71 CU. IN.	2.75 CU. IN.
Maximum Flow	22 GPM 84 Liters	31 GPM 117 Liters
Maximum Speed	3000 RPM	2600 RPM



Competitive Prices • Superior Quality

Model Codes

SAMPLE CODE: (A)A10V(S)O 28 DFR 31 L P K C 62 NOO

(A)A10V(S)O

Model
Swash Plate Design Variable Displacement
Open Circuit Industrial
SAE Version

Port End Cover
Single Unit — NOO
Thru Drive — K

NOO
K

18
28
45
71
100
140

Size
1.1 in. 3/rev
1.71 in. 3/rev
2.75 in. 3/rev.
4.33 in. 3/rev.
6.10 in. 3/rev.
8.54 in. 3/rev.

Service Ports
SAE Thread Rear Ported — 64
SAE Flange Rear Ported — 61
SAE Flange Rear Ported Metric Threads — 11
SAE Flange Side Ported Metric Threads — 12
SAE Flange Side Ported — 62
SAE Flange Side Ported — 92
SAE Flange Rear Ported — 91

64
61
11
12
62
92
91

DFR
DFR1
DR
DFLR
DRG

Control Devices
DFR — Pressure Flow Control
DFR1 — Pressure Flow Control without Vent Orifice
DR — Pressure Control
DFLR — Pressure, Flow, and Power Control
DRG — Remote Pressure Control with Remote Control

Mounting Flange
SAE "A" 2 Bolt Mount Size 18 — C
SAE "B" 2 Bolt Mount Size 28 & 45 — C
SAE "C" 2 Bolt Mount Size 71 & 100 — C
SAE "D" 4 Bolt Mount Size 140 — D

C
C
C
D

31
52

Series
31 — Model 31
52 — Model 52

R
L

Rotation
R — Right Hand - Clockwise
L — Left Hand - Counter Clockwise

P
V

Seals
P — Buna
V — Viton

Type	Shafts					
	18	28	45	71	100	140
Keyed	3/4"	7/8"	1"	1-1/4"	1-1/2"	1-3/4"
Splined	3/4"	7/8"	1"	1-1/4"	1-1/2"	1-3/4"
Splined Non-Thru Drive	5/8"	na	7/8"	na	1-1/4"	na
Splined Reinforced		7/8"	1"	1-1/4"	na	na

K
S
U
R



**Same Day
Shipments**

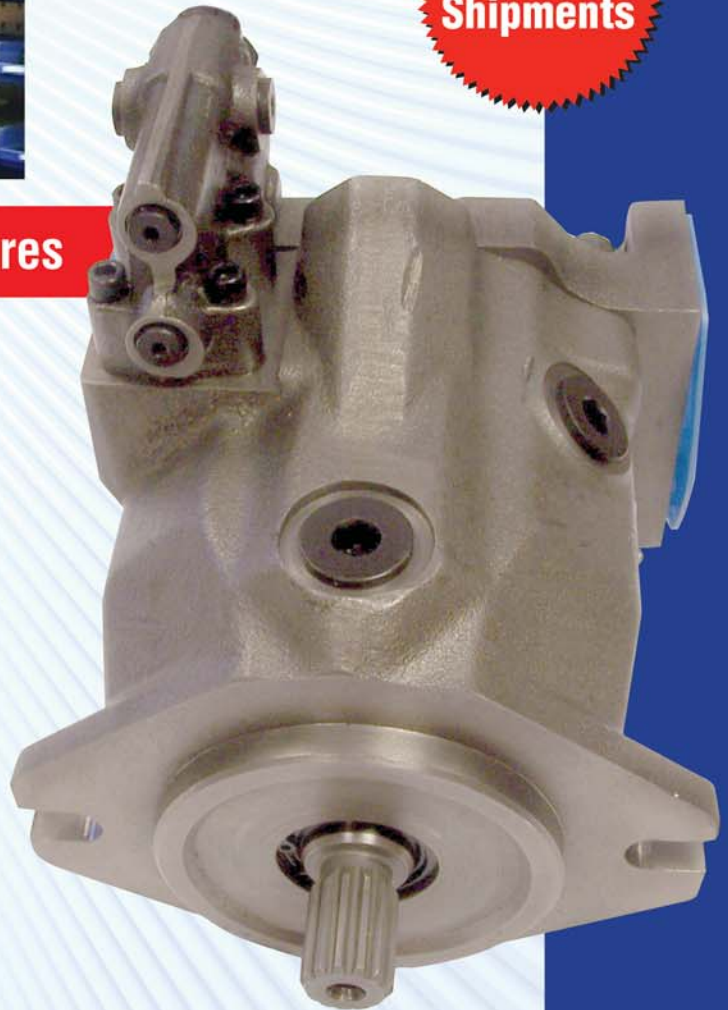
Replacement Parts & Features

Features Include:

- Maximum Stop Adjustment
- Long Service Life
- Low Noise Level
- Wide Range of Controls
- SAE Mounting Flange and Shafts
- Two Case Drain Connections
- Continuous Operation Pressure
4000 PSI (280 Bar)

Parts List:

- Rotating Groups
- Shafts
- Seal Kits
- Lens Plates
- Bearing Kits
- Right Hand & Left Hand Lens Plates
- Cradles



Remember:

We carry a complete line of remanufactured Rexroth A10V pumps. These units provide an alternative to expensive redesign projects, they are tested to meet OEM specifications (providing a long service life) and are ready for immediate shipment.

▲ Western FluidDyne New
 ■ Re-Manufactured
 ● Aftermarket
 ◆ Veljan Original



Pumps & Motors

Vickers / Eaton

VHO / VQ Single, Double & Triple

- 20, 25, 30, 35, 40, 45 (V/VQ)
- 2520, 2521, 3520, 4520, 4525, 4535 (V/VQ)
- 2520VQV10, 3520VQV10, 3525VQ10
- 4520VQV10, 4525VQV10, 4535VQ10
- ▲ ■ Cart Kits available for all sizes

Square Pumps

- V10 N/F, V20 N/F
- V10, V20, V2010, V2020
- V100, V200, V300, V400, V500
- V3200, V4200, V5200

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
- V450/3/6, V460/1/2, V468/8/70, VL1/2/3, V104
- V2304/5/11, V2330/34/35, V2340/1/2, V2360/61, V2640/1/2
- VC108, 138, 148 Combination Pumps

Caterpillar part numbered pumps also available

Motors

- MHT 32, 50, 70, 90, 150, 250, 330, 440
- 500, 660, 750, 1000
- 25M, 26M, 35M, 36M, 45M, 46M, 50M
- M2U, M2200, M2300, M2400, M2500

Piston Pumps

- PVH 57, 74, 98, 131, 141
- PVE 12, 19, 21, 27, 35, 47, 62
- PVD 45, 80, 120
- MFA / MVA 120, 150
- MVE 12, 15, 19, 21
- MFE 15, 19
- PFA 120, 150
- ▲ ■ (M) PVB / (M) FB 5, 6, 10, 15, 20, 29, 45, 90
- PV / PF (1000-2000)



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

- Pall
- Schroeder
- Hycon
- Hydac
- Vickers
- Rexroth
- Parker
- Zinga

WestMax™ is interchangeable with Duramax filters in fit, form and function.

Transmissions

- TA6, 15, 19
- TA1515, TA1515 V10/20
- TA19, V10/20,
- TA 1919, TA1919 V10/20

Oilgear

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

Racine

- PSV 10, 15, 20, 25, 40
- PSV 80, 100
- E055, H80, H20
- C4, C5, C11
- PVF, PVQ, PVR
- PVK, PVT, PVS

Rexroth

- A10V (S) 014, 016, 018
- A10V 28, 45, 71, 100, 140
- A4VS, A2FM, A2FE, A4VG
- Thru Drives
- Metric

Char-Lynn

- H Series
- S Series
- 1000, 2000 Series
- 4000, 6000 Series

Denison

- T1, T2, T5, TG
- T6
- TMB, TMC, TMG
- MIC, MID, MIE
- M4C, M4D, M4E
- PV/PF 05, 06, 07, 08, 09
- PV 6, 10, 15, 20, 29



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

Valves

Same Day Shipping • ISO Certified

Pressure Controls

- X (C) G or T 03, 06, 10
- ▲ ■ DGM STAK
- R (C) G 06, 10
- R (C) T 06, 10

Check Valves

- CG5
- 4CT, 4CG
- DT8P1
- C2-800 / 810, 15, 20, 25, 30, 35
- DF10P1-16,24

▲ ■ Sandwich, flow, pressure and Check Modules for D03 & D05

Needle Valves

- ▲ ■ 1/8, 1/4, 3/4, 1 1/2

Directional Valves

- ▲ ■ D03-DG4V3
- D08-DG5S4, DG5S8
- D1L
- ▲ ■ DG17S/V 03, 06
- ED4 / OD4
- ▲ ■ D05-DG4S4
- D10-DG5S4
- C552 / C572
- DG18S

Relief Valves

- CT / CG / CS / CF 03, 06, 10
- CGE 02, 06, 10
- CGR-02
- CF-16, 24
- FE1 / E11

Servo / Proportional Valves

Brands we Service:

- Atchley
- Bosch
- Cincinnati
- Moog
- MTS
- Rexroth
- Parker
- Pegasus
- Sunstrand
- Eaton
- Vickers
- Many Others

Full Repair
Cleaned
Calibrated

We also carry remanufactured Relief, Racine & Double "A" valves