FluiDyne™
FLUID POWER

A4VSO Replacement Pumps, Parts & Service

- 40, 71, 125, 180, 250 displacement sizes available
- Industrial & mobile, single & thru shaft models
- DR, FR, DRG, DFR, LR2 controls
- SAE & Metric Units

www.FluiDyneFP.com

Model Code Breakdown

A4VS	0	180	DR	/	30	L	–	P	P	B	13	N00
01	02	03	04		05	06		07	08	09	10	11

Axial Piston Unit

01	Swash plate design, variable	A4VS

Type of Operation

02	Pump, open circuit	0

Size

			40	71	125	180	250
03	Displacement $V_{g\,max}$	in^3/rev.	2.40	4.33	7.63	10.98	15.26
		cm^3/rev.	40	71	125	180	250

Operating Pressures:

350 bar (5000 psi) nominal
400 bar (5800 psi) max

Control Devices

04	Pressure control	DR
	Pressure control - remote	DRG
	Flow control	FR
	Remote pressure control	FRG
	Pressure and flow control	DFR
	Power control with hyperbolic curve	LR2

Series

		Design Code
05	40, 71	10
	125, 180, 250	30

Direction of Rotation

06	Viewed from end of shaft	Right hand	R
		Left hand	L

Seals

07	NBR (Nitrile-rubber) Shaft seal FKM	P
	FKM (Fluoro-rubber)	V

Shaft End

08	SAE parallel keyed shaft to ISO 3019-1	K
	SAE splined shaft to ISO 3019-1	S
	Metric keyed parallel shaft to DIN 6885	P
	Metric splined shaft to DIN 5480	Z

Mounting Flange

09	ISO 3019-2 metric 4-bolt	B
	SAE J 744, 4-bolt	D

Service Line Connections

10	SAE flange on side, 90° offset Metric fixing bolts	13
	SAE flange on side, 90° offset UNC mounting bolts	63

Through Drive

11	Without auxiliary pump, without through drive	N00

*Contact FFP for through drive options

Technical Data

Size		40	71	125	180	250
Displacement	in^3 (cm^3)	2.40 (40)	4.33 (71)	7.63 (125)	11.0 (180)	15.26 (250)
Speed Max	rpm	2600	2200	1800	1800	1500/ 1900
Max Pressure 5000 psi (350 bar) Nominal Pressure 5800 psi (400 bar) Peak Pressure						

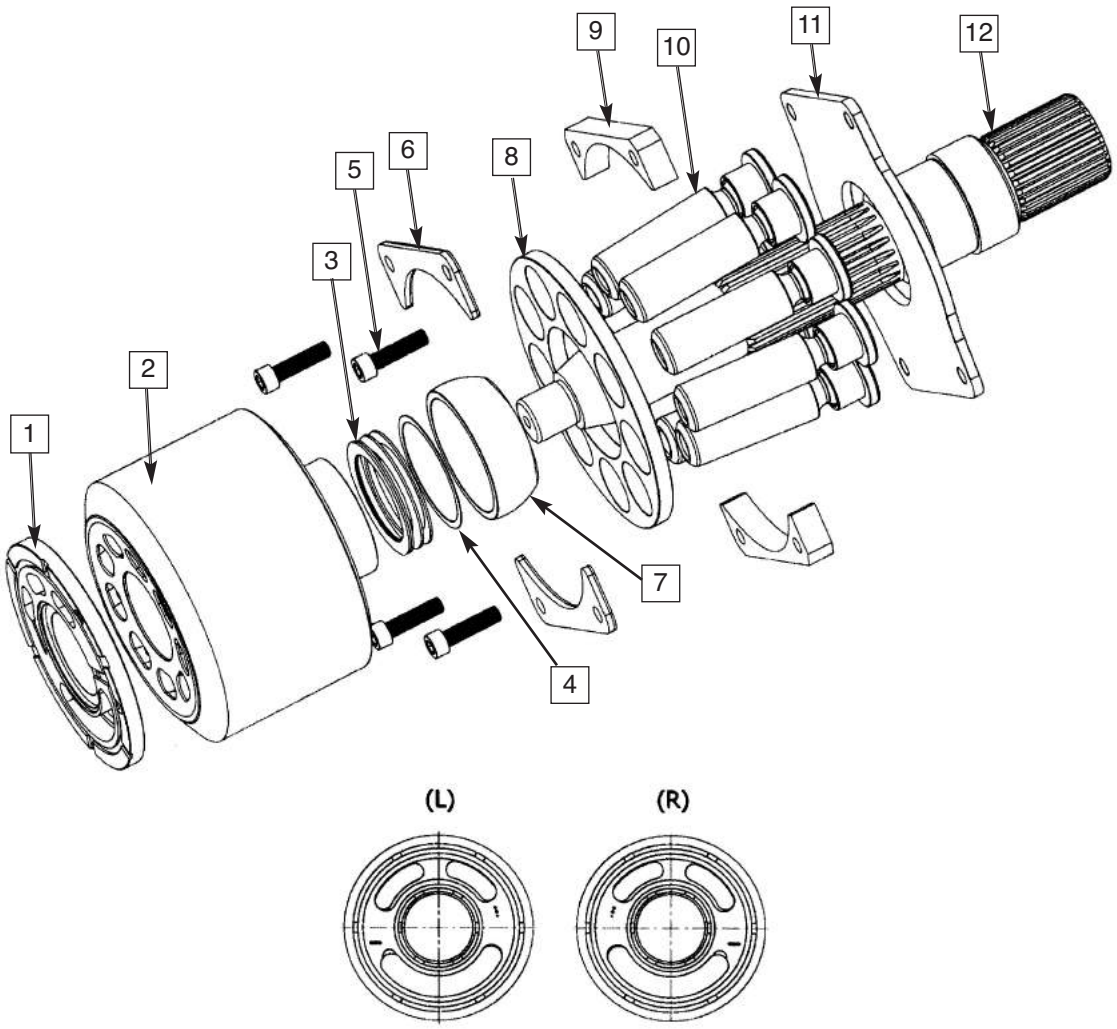
* Call us for series that are not listed.

Powered by Customer Service

Model codes for FluiDyne new A4V pumps and Rexroth remanufactured pumps are available in a wide range of part numbers. Contact customer service for details.

(586) 296-7200
Email: Sales@FluiDyneFP.com

FluiDyne™ FLUID POWER



No.	Description	Qty	PART #				
			40	71	125	180	250
1	Lens Plate RH	1PC	WF85760	WF85320	WF85295	WF85303	WF85312
	Lens Plate LH	1PC	WF85761	WF85321	WF85294	WF85598	WF85311
2	Cylinder Block	1PC	WF85762	WF85322	WF85296	WF85304	WF85313
7	Ball Guide	1PC	WF85763	WF85393	WF85297	WF85305	WF85314
8	Retaining Plate	1PC	WF85764	WF85395	WF85298	WF85306	WF85315
10	Piston Kit w/Shoe	9PCS	WF85773	WF85394	WF85299	WF85307	WF85316
11	Shoe Plate	1PC	WF85768	WF85396	WF85300	WF85308	WF85317
12	Shaft “P” Non-Thru Keyed	1PC	WF85769	WF85421	WF85425	WF85426	WF85769
	Shaft “Z” Non-Thru Spline	1PC	WF85770	WF85604	WF85302	WF85310	WF85319
	Shaft “K” Non-Thru Keyed	1PC	WF85772	WF85624	WF85626	WF85628	WF85630
	Shaft “S” Non-Thru Spline	1PC	WF85771	WF85625	WF85627	WF85629	WF85631
	Rotating Group RH, items 1-11	1PC	WF85766	WF85417	WF85412	WF85414	WF85415
	Rotating Group LH, items 1-11	1PC	WF85767	WF85418	WF85413	WF85599	WF85416
	A4VSO Bearing Kit S/A*	1PC	WF85765	WF85397	WF85609	WF85612	WF85615
	A4VSO Seal Kit Viton 30 Design	1PC	WF85775	WF85602	WF85611	WF85614	WF85617
	A4VSO Seal Kit Buna 30 Design	1PC	WF85774	WF85618	WF85610	WF85613	WF85616

*Bearing Kit S/A consists of 2 pcs saddle bearings, 1 pc bearing valve blk, 1 pc bearing shaft

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

Our people provide extensive support:

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

Reman Units & Parts Available for Racine, Oilgear, Bosch, Continental and More.

Committed To Quality!

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31915 Groesbeck Highway • Fraser, Michigan 48026
PH: (586) 296-7200 • FAX: (586) 296-7210
Email: Sales@FluiDyneFP.com

www.FluiDyneFP.com

FluiDyne Contact Info and Website

FLUIDYNE FLUID POWER OVER 35 YEARS OF QUALITY 1976-2017

THE FPDA MOTION & CONTROL NETWORK MEMBER

NATIONAL FLUID POWER ASSOCIATION NFPA MEMBER

ISO 9001:2008 REGISTERED FIRM

4/2017