



**Fluidyne™**  
FLUID POWER

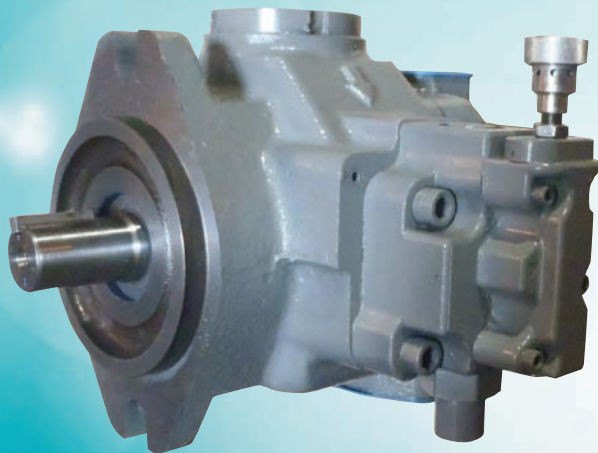
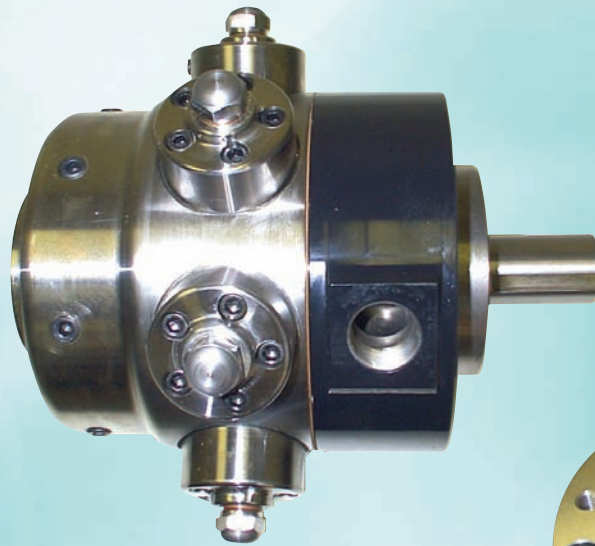
## Racine Vane and Radial Pumps

PSV 10, 15, 20, 25

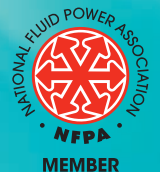
PSV 40, 80, 100

PVF, PVQ, PVR, PVK, PVT, PVS, VPV

C11, H20, H80



[www.FluidyneFP.com](http://www.FluidyneFP.com)



**Fluidyne Fluid Power** leads the industry as the premiere “customer centric” organization. From first contact with Customer Service through Manufacturing and Shipping Fluidyne seeks to provide best in class service and support. Our Customer Service is empowered to work with customers to find the best product, delivery and can resolve any problems which may develop along the way. Both Engineering and Application Engineering are available to help with circuit design, installation

and /or trouble shooting issues. Fluidyne customers appreciate our large inventory, performance testing, rapid shipments and dedication to detail.

Fluidyne’s large selection of Racine cores enables us to build various sizes and types of Racine product and have it shipped by the next business day. Our pumps are tested and inspected prior to shipping by our quality department. We carry a complete line of Racine PSV pumps available in sizes 10-100.



## PSV Model Codes

Variable Volume Silent Vane Pumps PSV 10/15, 20/25, 40, 80, 100

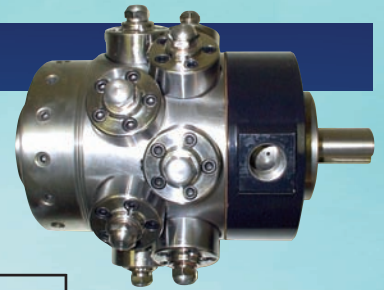
**CODE KEY BREAKDOWN:** PSV- P N S O 10-100 H R M -52



**Racine PSV Pumps Available  
Sizes 10-100**

# Radial Pump Model Codes

## H80 Radial Pump



CODE KEY BREAKDOWN:

**H 80 L - F2 2/0 - 1P - 6P** <sup>\*ISO-FLO</sup>

- \*H** — High Pressure Shaft Seal for Pressure Priming (250 PSI MAX)
- L** — 5.4 GPM — 3000 PSI Maximum @ 1800 RPM
- M** — 3.1 GPM — 5000 PSI Maximum @ 1800 RPM
- H** — 1.65 GPM — 10,000 PSI Maximum @ 1800 RPM
- \*F2** — Viton Seals (Specify only if desired)

- 2/0** — 2 Outlet Ports
- 3/0** — 3 Outlet Ports, Etc.

- # of Pistons Second Outlet Port**
- 1P** — 1 Piston
- 2P** — 2 Pistons
- 3P** — 3 Pistons, Etc.

- # of Pistons First Outlet Port**
- 1P** — 1 Piston
- 2P** — 2 Pistons
- 3P** — 3 Pistons, Etc.

\*These items are optional extras and should be specified by code only when desired. Consult a Fluidyne representative for assistance when ordering ISO-FLO modifications.

Foot mounting bracket must be ordered separately in addition to the model number selected.

Example: (1) 80H Pump  
(1) PF8-10S Foot mounting bracket

## C11 Radial Pump



**C5 - \*RH - F2**

- C4** — 5.9 GPM — 3000 PSI Maximum @ 1200 RPM
- C5** — 6.6 GPM — 5000 PSI Maximum @ 1200 RPM
- C11** — 10.5 GPM — 5000 PSI Maximum @ 1200 RPM

- F2** — Viton Seals (Specify only if desired)
- \*RH** — Right Hand Rotation
- \*LH** — Left Hand Rotation

\*Direction of rotation applies only to the Model C5 pump and must be specified by code number when ordering a C5 unit.

Foot mounting and flange mounting brackets must be ordered separately in addition to the model number selected.

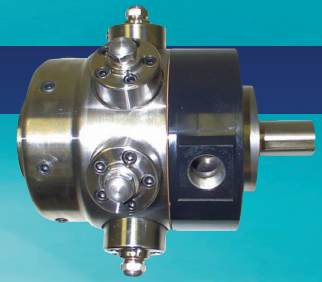
Example: Foot Mounting Bracket  
(1) C11-F2 Pump  
(1) PFC-10S Foot Mounting Bracket

Flange Mounting Bracket  
(1) C11-F2 Pump  
(1) FPFC-10S Flange Mounting Bracket

Note: When foot mounting bracket is not used, any other style of bracket that will clamp around the cylindrical projection of the shaft end cover plate may be substituted.

# Radial Pump Model Codes

## H2O Radial Pump



**H 20 H-F2 - 2/0 - 1P - 6P** \*ISO-FLO

**\*H** — High Pressure Shaft Seal  
For Pressure Priming (250 PSI MAX)

**L** — 1.25 GPM — 3000 PSI Maximum @ 1800 RPM  
**H** — 0.79 GPM — 6000 PSI Maximum @ 1800 RPM

**\*F2** — Viton Seals (Specify only if desired)

\*These items are optional extras and should be specified by code only when desired. Consult a Fluidyne representative for assistance when ordering ISO-FLO modifications.

**2/0** — 2 Outlet Ports  
**3/0** — 3 Outlet Ports, Etc.

**# of Pistons First Outlet Port**  
**1P** — 1 Piston  
**2P** — 2 Pistons  
**3P** — 3 Pistons, Etc.

**# of Pistons Second Outlet Port**  
**1P** — 1 Piston  
**2P** — 2 Pistons  
**3P** — 3 Pistons, Etc.

Note: When foot mounting bracket is not used, any other style of bracket that will clamp around the cylindrical projection of the shaft end cover plate may be substituted.

Foot mounting bracket must be ordered separately in addition to the model number selected.

Example: Foot Mounting Bracket  
(1) H202 Pump  
(1) PF2-10S Foot Mounting Bracket

## Repair Kits

Kit Number	Description
<b>PSV 10 Repair Kits</b>	
WF794107	Standard Shaft
WF794109	Double End Thru Shaft
WF794395	Combo Shaft
<b>PSV 15 Repair Kits</b>	
WF794110	Standard Shaft
WF794111	Double End Thru Shaft
WF794397	Combo Shaft
<b>PSV 20 Repair Kits</b>	
WF794130	Short Shaft
WF794131	Short Viton Shaft
WF794132	Medium Keyed Shaft
WF794133	Medium Keyed Viton Shaft
WF794134	Long Keyed Shaft
WF794135	Long Keyed Viton Shaft
WF794140	Medium Keyed Thru Shaft
WF794141	Medium Keyed Thru Viton Shaft
WF794398	Combo Shaft
WF794399	Combo Viton Shaft

Kit Number	Description
<b>PSV 25 Repair Kits</b>	
WF794147	Medium Keyed Single Shaft
WF794144	Medium Keyed Viton Single Shaft
WF794149	Medium Keyed Thru Shaft
WF794146	Medium Keyed Thru Viton Shaft
WF794400	Combo Shaft
WF794401	Combo Viton Shaft
<b>PSV 40 Repair Kits</b>	
WF794125	Thru 52 Shaft
WF794403	Combo Shaft
WF794121	Single Keyed Shaft
WF794123	Splined Shaft
<b>PSV 80 Repair Kits</b>	
WF794101	Keyed Shaft (For Rear Port Cover)
WF794126	Thru Shaft
WF794405	Combo Shaft

Note: Select kit by Shaft Type

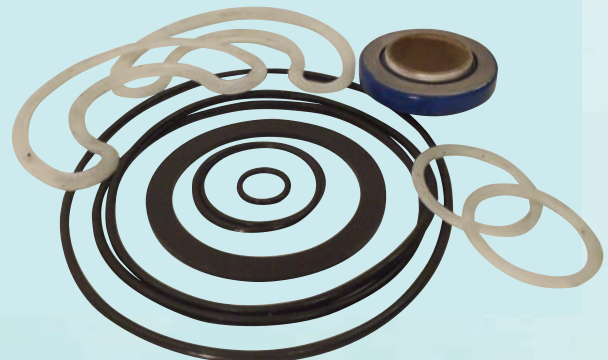
Email: [cs@FluidyneFP.com](mailto:cs@FluidyneFP.com)



# PSV Parts List

Part Number	Speciations	Description
<b>PSV 10 &amp; 15</b>		
WF308330	PSV10 ONLY	Pressure Ring
WF308666	PSV15 ONLY	Pressure Ring
WF223235		Port Plate, Body
WF223237		Port Plate, Cover
WF778355		Bearing Assembly
WF308333	Medium Keyed Shaft-Viton	Rotor Shaft, Standard
WF308985	Combination Shaft-Viton	Rotor Shaft, Standard
WF778358		Viton Seal Kit
<b>PSV 20 &amp; 25</b>		
WF308128	PSV20	Pressure Ring
WF308675	PSV25	Pressure Ring
WF222942		Port Plate, LH Body, RH Cover
WF222943		Port Plate, RH Body, LH Cover
WF778083		Bearing Assembly
WF308770	PSV20-Long Single Shaft-Viton	Rotor Shaft, Long Keyed
WF308772	Medium Key Double Shaft-Buna	Rotor Shaft, Medium Keyed Thru
WF308773	PSV20-Short Single Shaft-Viton	Rotor Shaft, Standard
WF308986	Combo Shaft-Buna	Rotor Shaft Combo
WF308760	Medium Single Shaft	Rotor Shaft, Medium Keyed Thru
WF723726		Buna Seal Kit
WF723724		Viton Seal Kit
<b>PSV 40</b>		
WF308511	PSV40 ONLY	Pressure Ring
WF222692		Port Plate LH Body, RH Cover
WF222690		Port Plate RH Body, LH Cover
WF778041		Bearing Assembly
WF308564	Double End Shaft-Viton (52)	Rotor Shaft, Thru-(52)
WF308987	Combo Shaft-Viton(62)	Rotor Shaft, Combo
WF308513	Single Shaft-Viton	Rotor Shaft, Single K eyed
WF723731		Viton Seal Kit
<b>PSV 80-100</b>		
WF308419	PSV80	Pressure Ring
WF223230		Port Plate, RH Body, LH Cover
WF223228		Port Plate, LH Body, R H Cover
WF723135		Bearing Assembly
WF308417	Med. Length Keyed Shaft-Viton	Rotor Shaft, Keyed (for rear port cover)
WF308567	Thru Shaft-Viton (52)	Rotor Shaft, Thru
WF308988	Combo-Viton (62)	Rotor Shaft, Combo
WF723733	Combo-Viton (62)	Viton Seal Kit
WF794119	Thru Shaft-Viton (52)	Viton Seal Kit

Wide range of parts and kits in stock including single and thru combination. Same Day shipment available. Contact a FluidDyne representative for your specific need.



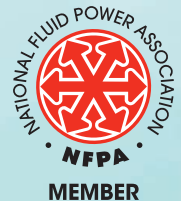
# Our Promise: People Make the Difference



**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



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An ISO 9001:2008 Company

