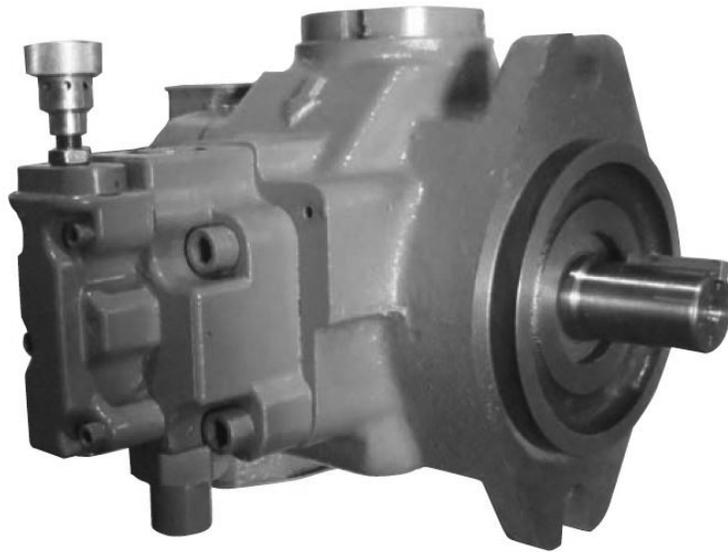


Variable Vane Pumps

PSV 10, 15, 20, 25

PSV 40, 80, 100

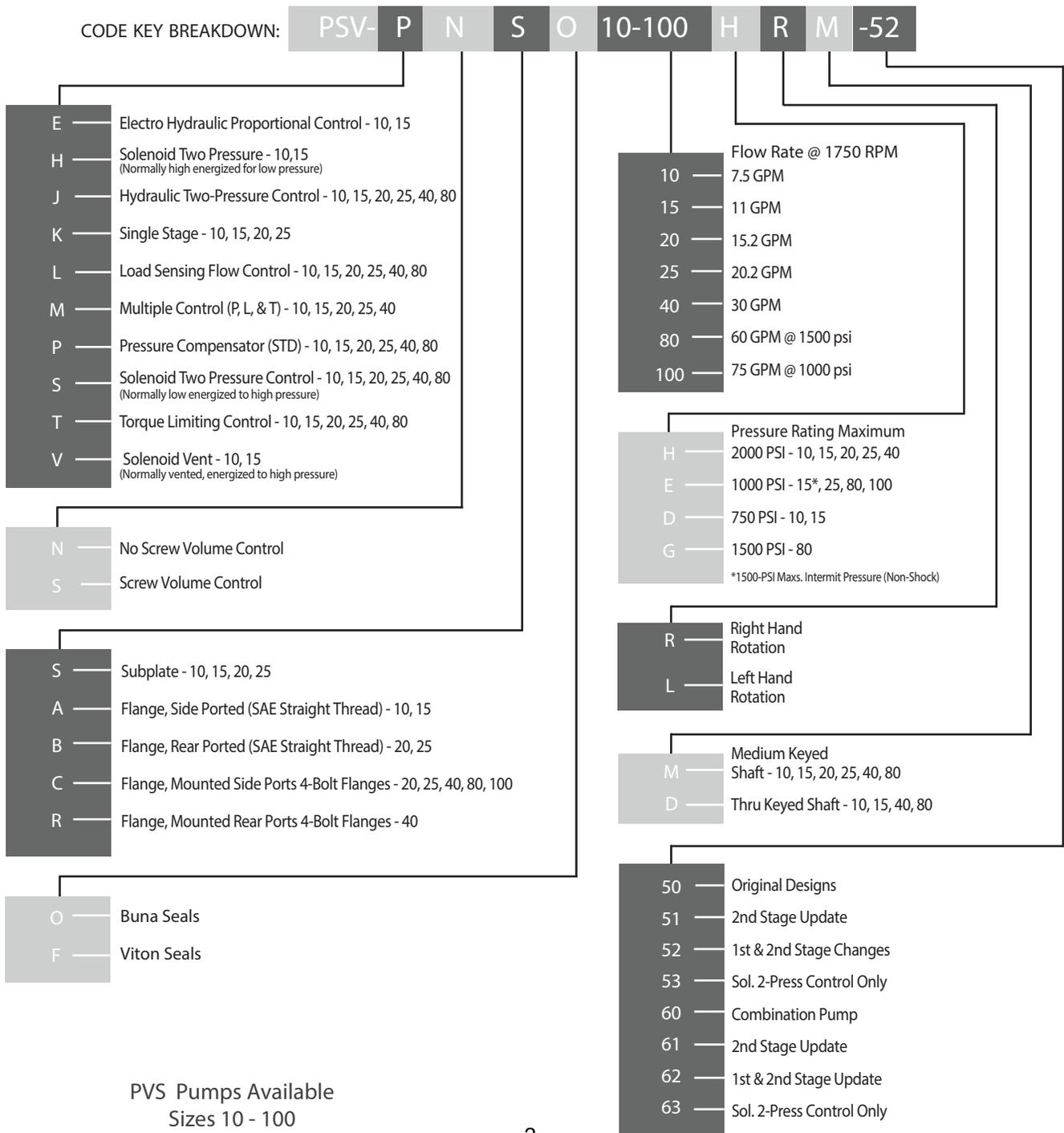


Variable vane pump brochure

Technical Union leads the industry as the premiere “customer centric” organization. From first contact with Customer Service through Manufacturing and Shipping Technical Union 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. Technical Union’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.

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



PSV Parts List

| Part Number | Speciations | Description |
|------------------------|--------------------------------|--|
| PSV 10 & 15 | | |
| T308330 | PSV10 ONLY | Pressure Ring |
| T308666 | PSV15 ONLY | Pressure Ring |
| T223235 | | Port Plate, Body |
| T223237 | | Port Plate, Cover |
| T778355 | | Bearing Assembly |
| T308333 | Medium Keyed Shaft-Viton | Rotor Shaft, Standard |
| T308985 | Combination Shaft-Viton | Rotor Shaft, Standard |
| T778358 | | Viton Seal Kit |
| PSV 20 & 25 | | |
| T308128 | PSV20 | Pressure Ring |
| T308675 | PSV25 | Pressure Ring |
| T222942 | | Port Plate, LH Body, RH Cover |
| T222943 | | Port Plate, RH Body, LH Cover |
| T778083 | | Bearing Assembly |
| T308770 | PSV20-Long Single Shaft-Viton | Rotor Shaft, Long Keyed |
| T308772 | Medium Key Double Shaft-Buna | Rotor Shaft, Medium Keyed Thru |
| T308773 | PSV20-Short Single Shaft-Viton | Rotor Shaft, Standard |
| T308986 | Combo Shaft-Buna | Rotor Shaft Combo |
| T308760 | Medium Single Shaft | Rotor Shaft, Medium Keyed Thru |
| T723726 | | Buna Seal Kit |
| T723724 | | Viton Seal Kit |
| PSV 40 | | |
| T308511 | PSV40 ONLY | Pressure Ring |
| T222692 | | Port Plate LH Body, RH Cover |
| T222690 | | Port Plate RH Body, LH Cover |
| T778041 | | Bearing Assembly |
| T308564 | Double End Shaft-Viton (52) | Rotor Shaft, Thru-(52) |
| T308987 | Combo Shaft-Viton(62) | Rotor Shaft, Combo |
| T308513 | Single Shaft-Viton | Rotor Shaft, Single K eyed |
| T723731 | | Viton Seal Kit |
| PSV 80-100 | | |
| T308419 | PSV80 | Pressure Ring |
| T223230 | | Port Plate, RH Body, LH Cover |
| T223228 | | Port Plate, LH Body, R H Cover |
| T723135 | | Bearing Assembly |
| T308417 | Med. Length Keyed Shaft-Viton | Rotor Shaft, Keyed (for rear port cover) |
| T308567 | Thru Shaft-Viton (52) | Rotor Shaft, Thru |
| T308988 | Combo-Viton (62) | Rotor Shaft, Combo |
| T723733 | Combo-Viton (62) | Viton Seal Kit |
| T794119 | Thru Shaft-Viton (52) | Viton Seal Kit |

Wide range of parts and kits in stock including single and thru combination. Same Day shipment available.



Repair Kits

| Kit Number | Description | Kit Number | Description |
|--------------------|-------------------------------|--------------------|-----------------------------------|
| PSV 10 Repair Kits | | PSV 25 Repair Kits | |
| T794107 | Standard Shaft | T794147 | Medium Keyed Single Shaft |
| T794109 | Double End Thru Shaft | T794144 | Medium Keyed Viton Single Shaft |
| T794395 | Combo Shaft | T794149 | Medium Keyed Thru Shaft |
| PSV 15 Repair Kits | | T794146 | Medium Keyed Thru Viton Shaft |
| T794110 | Standard Shaft | T794400 | Combo Shaft |
| T794111 | Double End Thru Shaft | T794401 | Combo Viton Shaft |
| T794397 | Combo Shaft | PSV 40 Repair Kits | |
| PSV 20 Repair Kits | | T794125 | Thru 52 Shaft |
| T794130 | Short Shaft | T794403 | Combo Shaft |
| T794131 | Short Viton Shaft | T794121 | Single Keyed Shaft |
| T794132 | Medium Keyed Shaft | WF794123 | Splined Shaft |
| T794133 | Medium Keyed Viton Shaft | PSV 80 Repair Kits | |
| T794134 | Long Keyed Shaft | T794101 | Keyed Shaft (For Rear Port Cover) |
| T794135 | Long Keyed Viton Shaft | T794126 | Thru Shaft |
| T794140 | Medium Keyed Thru Shaft | T794405 | Combo Shaft |
| T794141 | Medium Keyed Thru Viton Shaft | | |
| T794398 | Combo Shaft | | |
| T794399 | Combo Viton Shaft | | |

| MODEL | GPM AT 100 PSI & 1800 RPM | MAX. PSI | MAX. RPM | PRSSURE COMPENSATING RANGE (PSI) | THEORETICAL DISPLACEMENT (CU. IN.) | INPUT HP AT MAX PSI & 1800 RPM |
|-------------------|---------------------------|----------|----------|----------------------------------|------------------------------------|--------------------------------|
| STANDARD SV-10 | 8 | 2000 | 1800 | 400-2000 | 1 | 10.8 |
| STANDARD SV-15 | 11.5 | 1500 | 1800 | 300-1000 | 1.5 | 11.2 |
| LOW PRESSRE SV-10 | 8 | 700 | 1800 | 160-750 | 1 | 4 |
| LOW PRESSRE SV-15 | 11.5 | 700 | 1800 | 160-750 | 1.5 | 5.75 |
| STANDARD SV-20 | 15 | 2000 | 1800 | 375-2000 | 1.9 | 20 |
| STANDARD SV-25 | 20 | 1500 | 1800 | 300-1000 | 2.56 | 20.3 |
| LOW PRESSRE SV-20 | 15 | 750 | 1800 | 175-750 | 1.9 | 7.25 |
| LOW PRESSRE SV-25 | 20 | 750 | 1800 | 175-750 | 2.56 | 9.75 |
| SV-40 | 31 | 2000 | 1800 | 250-2000 | 4 | 41 |
| SV-80 | 62 | 1500 | 1800 | 300-1500 | 8 | 62 |
| SV-100 | 78 | 1000 | 1800 | 250-1000 | 10 | 51 |