

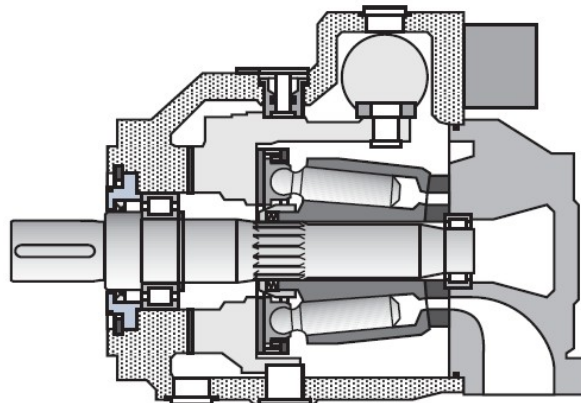


# Rexroth A4VSO Variable Displacement Piston Pump

Series: 10, 22, 30.  
 Nominal pressure 5100 psi (350 bar).  
 Peak pressure 5800 psi (400 bar)

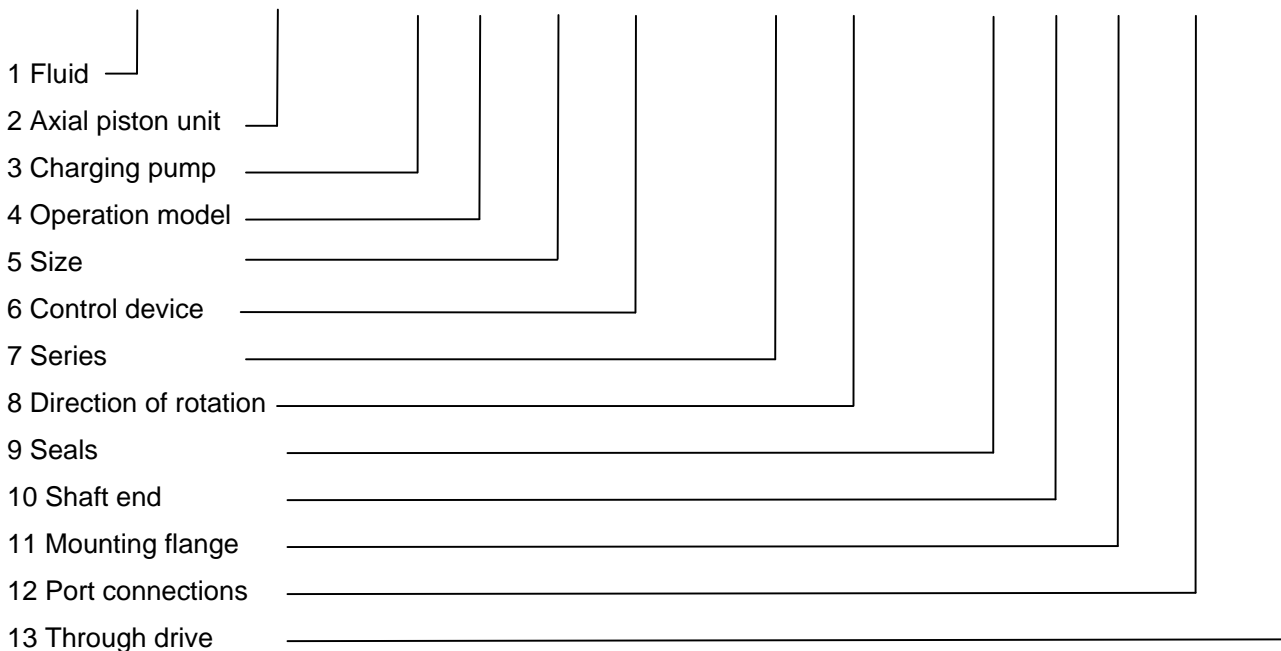
## Features:

- Swashplate design
- Infinitely variable displacement
- Good self priming suction characteristics
- Continuous operating pressure of 5100 psi (350 bar)
- Low noise level
- Low power to weight ratio
- Drive shaft able to accept axial and radial loading
- Excellent service life
- Compact modular design
- Short control times
- Over-center design (swallow circuits)
- Through drive and pump combinations possible
- Swivel angle indicator standard
- Installation positional optional
- Operation on HF fluids permitted at derated parameters



## Ordering code:

	(A)	A4VS		O	355	DR	/	30	R	--	P	P	B	13	NOO
1		2	3	4	5	6		7	8		9	10	11	12	13



**More explanation:**

- 1- Fluid : Blank= Mineral oil , E= HF-Fluids (except skydrol)
- 2- Version: AA4VS = SAE version, Swash plate design, variable  
A4VS= Metric version, Swash plate design, variable
- 3- Axial piston unit: Blank= Without charging pump, L= With impeller, only for port option 25
- 4- Operation model: Pump, closed circuit
- 5- Size: displacement 40, 71, 125, 180, 250, 355, 500 (cm<sup>3</sup>/rev.)
- 6- Control device: DR=Constant pressure control  
DRG= Remote control  
FR=Flow control  
DFR= Pressure and flow control  
LR=Const. Power control with hyperbolic curve  
MA=Manual control  
EO=Electric control  
HD=Hydraulic control, pilot pressure dependent  
EM= Electric motor control  
HM= Hydraulic control, control volume dependent  
HS= Hydraulic control, with servo/ proportional valve  
DS= Secondary speed control
- 7- Series: 10, 22, 30
- 8- Direction of rotation: R= right. L= left (Viewed on shaft end)
- 9- Seals: P= NBR (Nitrile rubber to DIN ISO 1629) with shaft seal FPM  
V= FPM (Fluoride rubber to DIN ISO 1629)
- 10- Shaft end: P= Metric Parallel with key to DIN 6885  
Z= Metric splined shaft per DIN 5480  
S= SAE splined shaft  
K= SAE parallel keyed shaft
- 11- Mounting flange : B= ISO 4-bolt. D= SAE 4-bolt. H= ISO 8-bolt
- 12- Port connections : 13= Connections B and S: SAE on side 90 degree offset, metric mounting bolts, screw  
25= Connections B and S: SAE on side 90 degree offset, metric mounting bolts, flange
- 13- Through drive: N00= Without thru drive, without auxilliary pump  
K31= ISO 125, 4-hole, Splined shaft 32x2x30x14x9g, to accept: A4VSO/H/G 40  
K33= ISO 140, 4-hole, Splined shaft 40x2x30x18x9g, to accept: A4VSO/H/G 71  
K34= ISO 160, 4-hole, Splined shaft 50x2x30x24x9g, to accept: A4VSO/H/G 125  
K34= ISO 160, 4-hole, Splined shaft 50x2x30x24x9g, to accept: A4VSO/G 180  
K35= ISO 224, 4-hole Splined shaft 60x2x30x28x9g, to accept: A4VSO/H/G 250  
K77= ISO 224, 4- hole Splined shaft 70x3x22x9g, to accept: A4VSO/G, A4CSG 355  
K43= ISO 315, 8- hole Splined shaft 80x3x25x9g, to accept: A4VSO/G, A4CSG 500  
KB2= ISO 80, 2- hole Splined shaft 3/4in 19-4 (SAE A-B) A10VSO 10/52, 18/31  
KB3= ISO 100, 2- hole Splined shaft 7/8in 22-4 (SAE B) A10VSO 28/31  
KB4= ISO 100, 2- hole Splined shaft 1in 25-4 (SAE B-B) A10VSO 45/31  
KB5= ISO 125, 2- hole Splined shaft 1 1/4in 32-4 (SAE C) A10VSO 71/31  
KB6= ISO 125, 2- hole Splined shaft 1 1/2in 38-4 (SAE C-C) A10VSO 100/31  
KB7= ISO 180, 4-hole Splined shaft 1 13/4in 44-4 (SAE D) A10VSO 140/31  
K01= 82-2(SAE A), 2-hole, Splined shaft 5/8in 16-4 (SAE A)  
K52= 82-2(SAE A), 2-hole Splined shaft 3/4in 19-4 (SAE A-B) A10VSO 10, 18/31  
K68= 101-2 (SAE B) Splined shaft 7/8in 22-4 (SAE B) A10V(S)O 28/31  
K04= 101-2 (SAE B) 1in 25-4 (SAE B-B), A10V(S)O45/31  
K99= With through drive shaft, without hub, without adapter flange, with cover plate

*For more information, please contact us.*