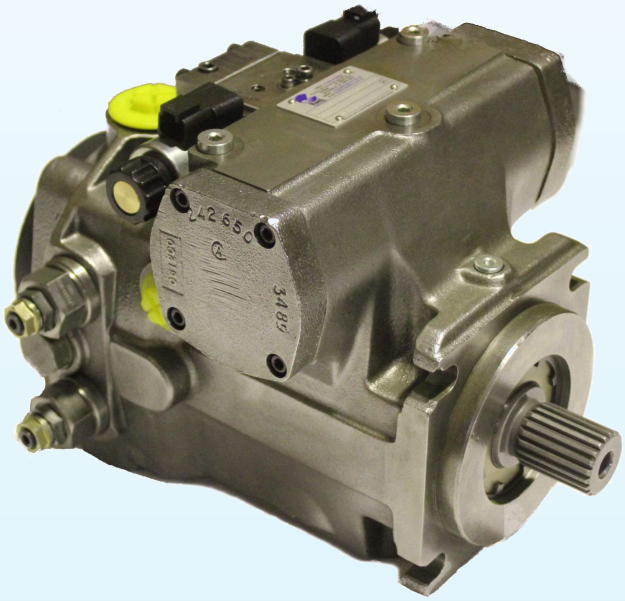
GENUINE TIDAL FLUID POWER PUMPS MOTORS PARTS

PISTON PUMP

TPV-4G Series

Variable Displacement for Closed Loop Applications



Closed circuit

- Series 4G
- Size from 28 - 250cc/rev
- Nominal pressure 400 Bar
- Peak Pressure 450 Bar

Features

Swashplate design for hydrostatic closed circuit transmission
Variable displacement flow is proportional to drive speed and controlled displacement
Output flow increases with the swivel angle of the swashplate from 0 to its maximum value
Smooth flow direction changes when the swashplate is moved through the neutral position
Many control types available
Two pressure relief valves protect the hydrostatic transmission from overload
The pressure relief valves also function as boost make-up check valves
The integrated boost pump acts as a make up and control oil pump
The maximum boost pressure is limited by a built in boost pressure relief valve

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TPV	4G	71	EP12	S14	R	NTD

Tidal Pump variable displacement

Series

Max Displacement

28cc/rev
40cc/rev
56cc/rev
71cc/rev
90cc/rev
125cc/rev
180cc/rev
250cc/rev

Controller type

EP-12.....12v DC

EP-24.....24v DC

MS.....Manual Servo

HP.....Hydraulic Pilot (6-18bar)

Through Drive

NTD.....No Thru Drive
TDA-9.....Thru Drive 'A'
TDB-13...Thru Drive 'B'
TDB-15...Thru Drive 'BB'
TDC-14...Thru Drive 'C'
TDD-13...Thru Drive 'D'
TDE-13...Thru Drive 'E'

Rotation of Shaft

R = CW Rotation

L = CCW Rotation

Shaft Type

28cc/rev.....S15 x 1"
40cc/rev.....S14 x 1 1/4"
56cc/rev.....S14 x 1 1/4"
71cc/rev.....S14 x 1 1/4"
90cc/rev.....S13 x 1 3/4"
125cc/rev.....S13 x 1 3/4"
180cc/rev.....S13 x 1 3/4"
250cc/rev.....S13 x 1 3/4"

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