

# PISTON PUMP

## TPV-4T Series

Variable Displacement for Transit Mixers

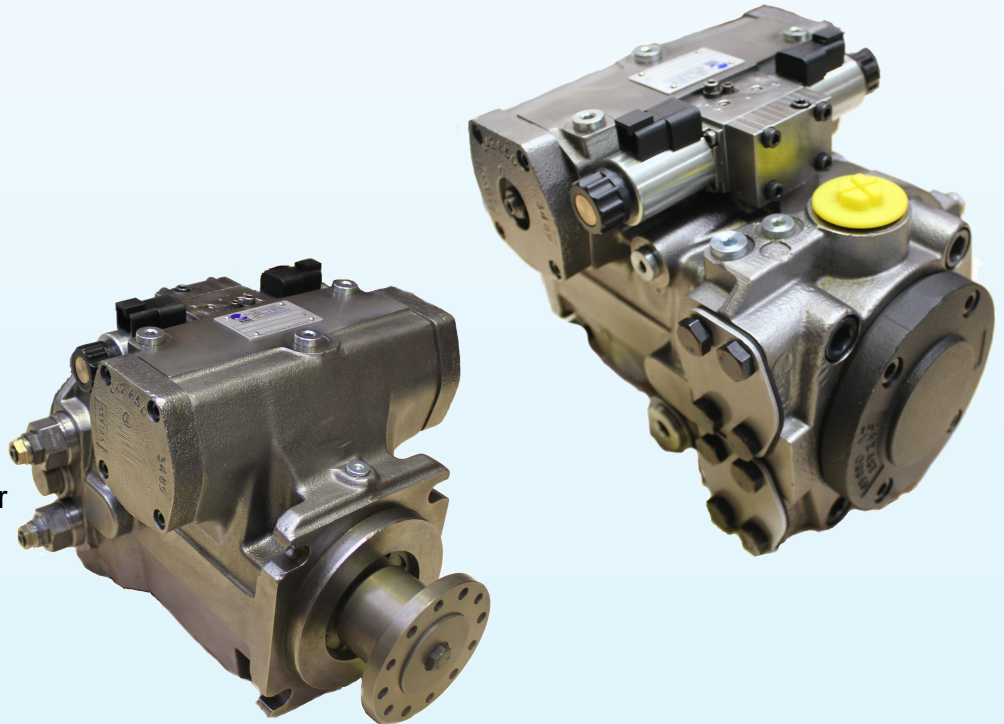
### Closed circuit

Series 4T

Size 71 & 90cc/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

Control types available are manual servo and proportional electric controls

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

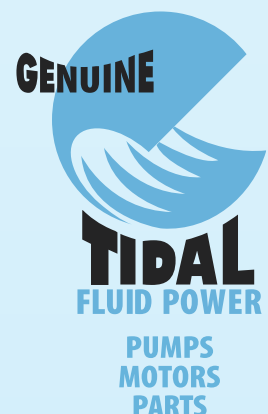
The maximum boost pressure is limited by a built in boost pressure relief valve

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TPV	4T	71	EP12	S21	R	NTD
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Tidal Pump  
variable  
displacement

Series

Max Displacement

71 cc/rev

90cc/rev

Controller type

EP-12.....12v DC

EP-24.....24v DC

MA.....Manual Servo

Ports

NTD.....No Thru Drive

TDA-9.....Thru Drive 'A'  
(9 tooth coupling)

TDB-13...Thru Drive 'B'  
(7/8" tooth coupling)

(side ports adjacent,  
suction port on top)

Rotation of Shaft

R = CW Rotation

L = CCW Rotation

Shaft Type

71cc/rev.....S21 x 1 3/8"

90cc/rev.....S23 x 1 1/2"

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