

# PUMPAC™

## The pumpsystem for the 21st Century



### Saving through design

The PUMPAC™ – Pumpsystem is based on the same efficient double acting pump principle used on the wellknown ZB range of grout pumps. Now even more simple and user friendly.

- Modularized parts
- Independently and stepless variable pressure and flow
- Easy and fast change of valve assembly units
- Environmentally friendly hydraulic fluid

Two patent pending for

- Hydraulic switch-over system, integrated in the hydraulic cylinder.
- Split cotter fast locking system of the two piston rods for easy dismantling of the cylinder assembly

Three sizes of electric motors

- 7,5 kW
- 15 kW
- 22 kW

Two sizes of grout cylinders

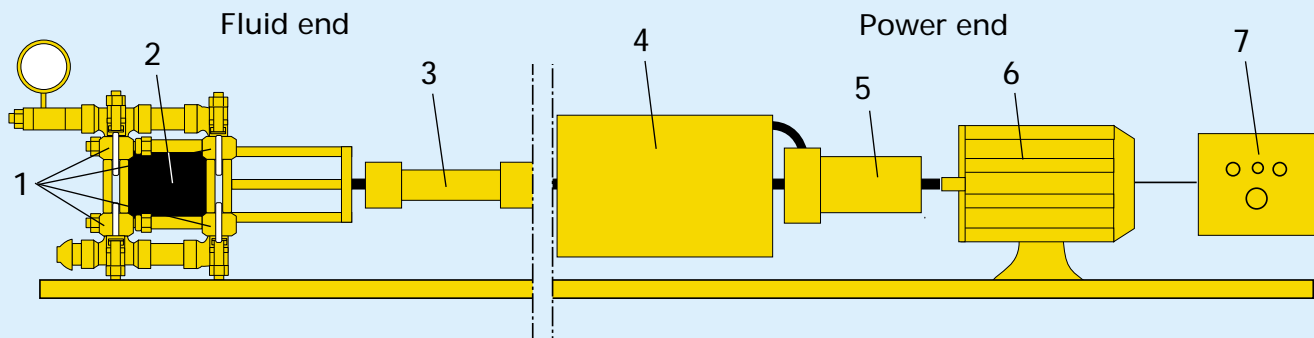
- 110 mm diameter
- 150 mm diameter

Three types of valves

- Standard ball valves for normal operations
- Heavy duty ball valves for high pressure grouting applications.
- Disc valves when a smooth flow and minimal pressure drop is required

# Easy maintenance due to advanced design

- Self cleaning cement fluid end.
- Water flushing of cement- and hydraulic piston rods.
- Only one 46 mm wrench for servicing the cement-pump
- Whole life cost kept to a minimum depending on the systems adaptability



- 1. Valve
- 2. Grout cylinder
- 3. Hydraulic cylinder

- 4. Hydraulic oiltank
- 5. Hydraulic pump

- 6. Electric motor
- 7. Electric cabinet

The pump parts are symbolized in a row for clarity

## Pump capacity

Grout Cylinder size – Ball Valves	Flow l/min	Pressure bar
110 mm	0-100	0-100
150 mm	0-200	0-55

Pump type.....	Double acting
Valve system.....	Ball valve and/or disc valve
Hydraulic pump capacity.....	0-63 l/min
Hydraulic pump pressure, max.....	215 bar
Oil tank volume .....	45 l
Water – oil cooler .....	
Electric motor .....	7,5, 15 or 22 kW
Voltage, frequency .....	400 V, 50 Hz

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Atlas Copco reserves the right to make modifications without prior notice.

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