

# WATER PUMPS

## SG4 - SG 6

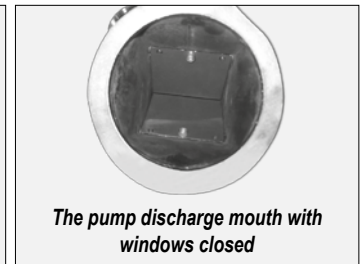
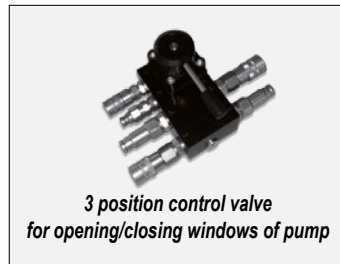
Fluid mixer accessory for pumps SP45 - SP55 - SP65

MIXING VALVE FOR FLUIDIFICATION OF VERY LOADED WATER



SG4 installed on SP45 pump

TECHNICAL CHARACTERISTICS	SG 4	SG 6
Weight dry	9 KG	12 KG
Fluid passage	equivalent at 4"	equivalent at 5"
Total high	370 mm	420 mm
Type cylinder	double effect	double effect
Hydraulic valve	3 positions, open center	3 positions, open center



**Slurry Gate** is an accessory for trash pumps DOA models SP45 - SP55 - SP65. The accessory is a set formed by:

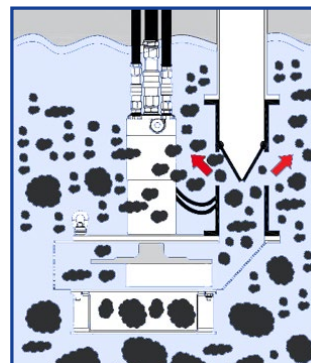
- **SG4 - SG6 body and cylinder, this element to be installed on the pump outlet mouth.**
- **Hydraulic control valve and hoses that can control the opening/ closing action of the slurry gate.**

The **Slurry Gate** is a "retrofit accessory" that can be installed on pumps, its action as mixer is necessary when the liquid to pump is very thick and have suspended solids (like sediments, mud balls or oil balls or other agglomerate of semi solid/ pasty liquids) the above must be disintegrated to become more fluid and pumped, is needed also to avoid choke at the pump inlet. After some minutes of this treatment the liquid can be pumped easier and the pump will run in its natural function. The length of the hydraulic pipe that connects the three-position valve to the mixer body must be prepared by the customer or ordered at DOA at the time of purchase.

### HOW IT WORKS

Action of **SG4** is very simple: it is a flow diverter placed on the out let mouth of the pumps, that can direct the fluid in its natural "upward" pumping direction or divert it aside bypassing from the two openings and repumped in its bed. Once the fluid is shaken and minced at more liquid state and can be pumped, will be enough to close the side openings (by acting on the oil valve that is part of the set) and the pump can be used in the normal pumping action.

**WINDOWS OPEN**  
Pump impeller is mincing suspended solids



**WINDOWS CLOSED**  
Fluid is pumped up from outlet passage

