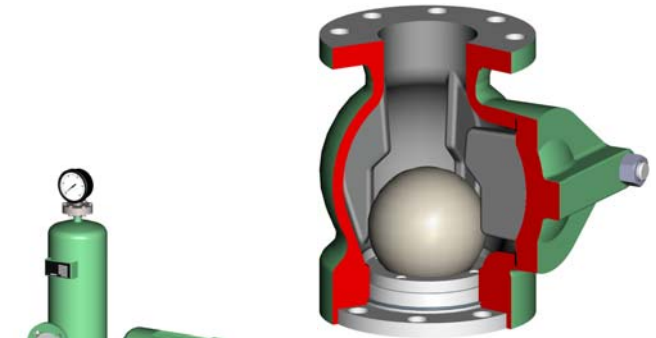


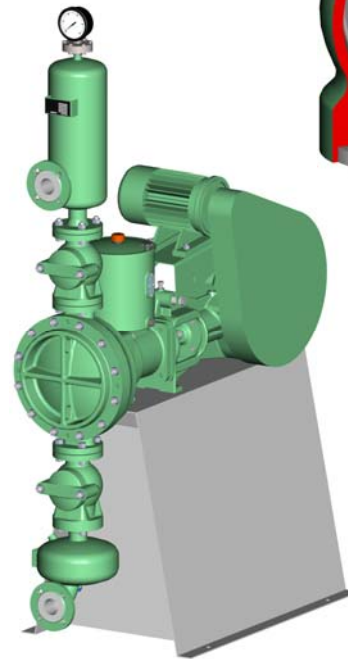
## PISTON DIAPHRAGM PUMPS

## model "SP"

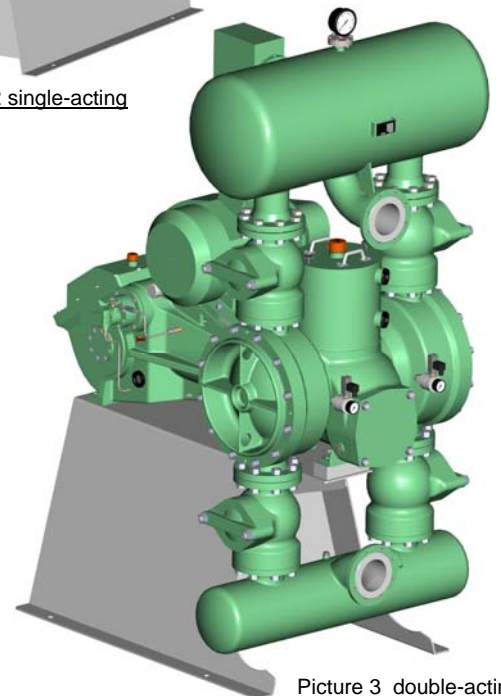
- ▼ **Materials:**  
Cast-iron  
Cast-iron rubber-lined  
Various stainless steel
- ▼ **Capacities:**  
0,5 ... 65 m<sup>3</sup>/h
- ▼ **Pressure:**  
1,6 MPa (16 bar) as standard design,  
higher pressures acc. project requirements
- ▼ **Temperature of pumped material:**  
Up to 100°C as standard design,  
higher temperatures on demand
- ▼ **Field of application:**  
Pumping of abrasive and aggressive materials. Very gentle pumping of materials sensitive to shear
- ▼ **Remark:**  
The well-tried „**SP**“- model (**S**ervice-**o**ptimized-**P**ump)! A pump of simple construction, especially outstanding with regard to its **easy maintenance**.
- ▼ **Constructional features:**
  - Electrically driven modular Piston Diaphragm Pump
  - Pump head made of various metal materials
  - Pulsation dampener for continuous flow
  - Double diaphragm
  - Internal adjustment of pressure and quantity in dependence to the discharge pressure
  - **Inspection opening for diaphragm and valves**



Picture 1 Ball valve



Picture 2 single-acting



Picture 3 double-acting

| [m <sup>3</sup> /h] | 0,5                         | 1 | 1,5 | 2 | 2,5                         | 3                           | 4 | 5                           | 6 | 8                           | 10 | 12 | 15 | 20 | 25 | 30 | 40 | 50 | 65 |  |
|---------------------|-----------------------------|---|-----|---|-----------------------------|-----------------------------|---|-----------------------------|---|-----------------------------|----|----|----|----|----|----|----|----|----|--|
|                     | single-acting <b>SP521S</b> |   |     |   |                             |                             |   |                             |   | double-acting <b>SP537N</b> |    |    |    |    |    |    |    |    |    |  |
|                     | single-acting <b>SP511S</b> |   |     |   |                             |                             |   | double-acting <b>SP535N</b> |   |                             |    |    |    |    |    |    |    |    |    |  |
|                     | single-acting <b>SP501S</b> |   |     |   |                             | double-acting <b>SP528S</b> |   |                             |   |                             |    |    |    |    |    |    |    |    |    |  |
|                     | single-acting <b>SP491S</b> |   |     |   | double-acting <b>SP520S</b> |                             |   |                             |   |                             |    |    |    |    |    |    |    |    |    |  |
|                     | double-acting <b>SP510S</b> |   |     |   |                             |                             |   |                             |   |                             |    |    |    |    |    |    |    |    |    |  |