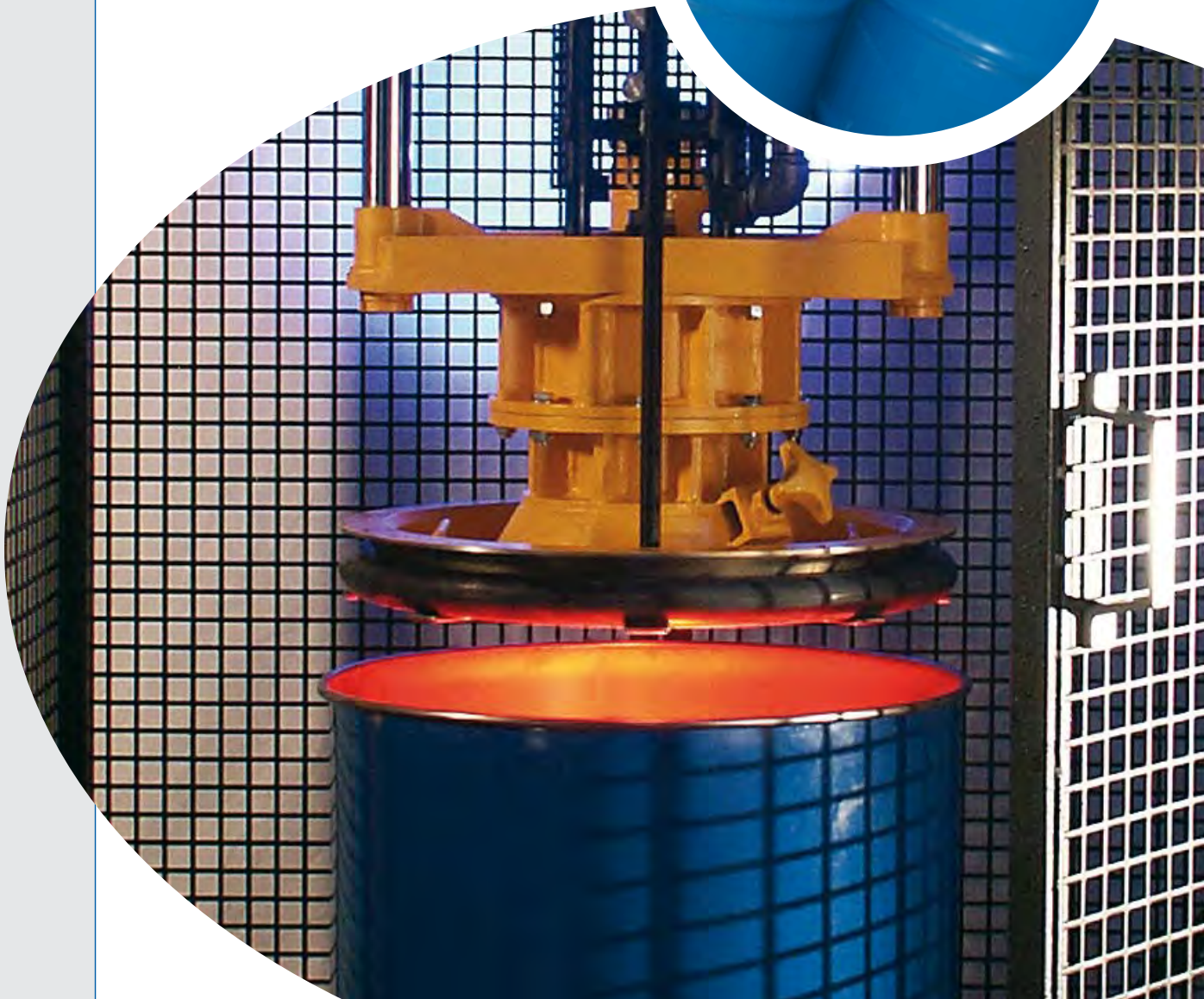


## Feeding Systems

# S 2 / S 4 / S 6 / S 11

- High-performance feeding solutions for viscous and high-viscous products
- For containers from 20 - 3.000 l
- High profitability due to high feeding capacity and minimum product left-over in the container
- High efficiency due to special solutions for quick container change-over





### Container Press S 2-F with Lifting Device

**In the early sixties, *Schwerdtel*** started to work also for the chemical industry. The first machines were conveying units. More than 40 years later, due to our experience, we are able to offer high-performance and reliable conveying systems for nearly all containers. It goes without saying that the operators are optimally protected thanks to excellent safety engineering.

**The S 2 type presses** are used for emptying out mixing containers with a volume from 100 - 3.000 l. The standard machine is for containers with an inner diameter from 1.000 to 1.250 mm and a volume of 1.000 l.

**The containers** are equipped with wheels and are rolled into the press. The lifting bar that is integrated in the press (foundation required) lifts the container to the connection height. It is self-evident that the output is adjusted to the downstream filling line.

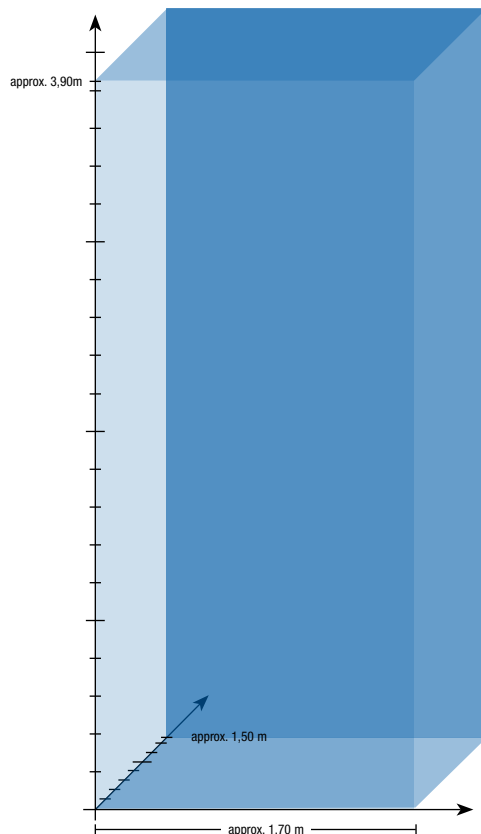
## Container Press S 4-A without Lifting Device

**The S 4 type presses** are used for the same container sizes that are used with S 2 type presses. With these presses however, the container remains on the floor or is lifted by a fork lift to the working height. A foundation pit is not necessary.

S 2 as well as S 4 posses two hydraulic circuits to minimise the change-over time for the containers, in order to optimise, thereby, the availability of the machine.



S 2-F and S 4-A



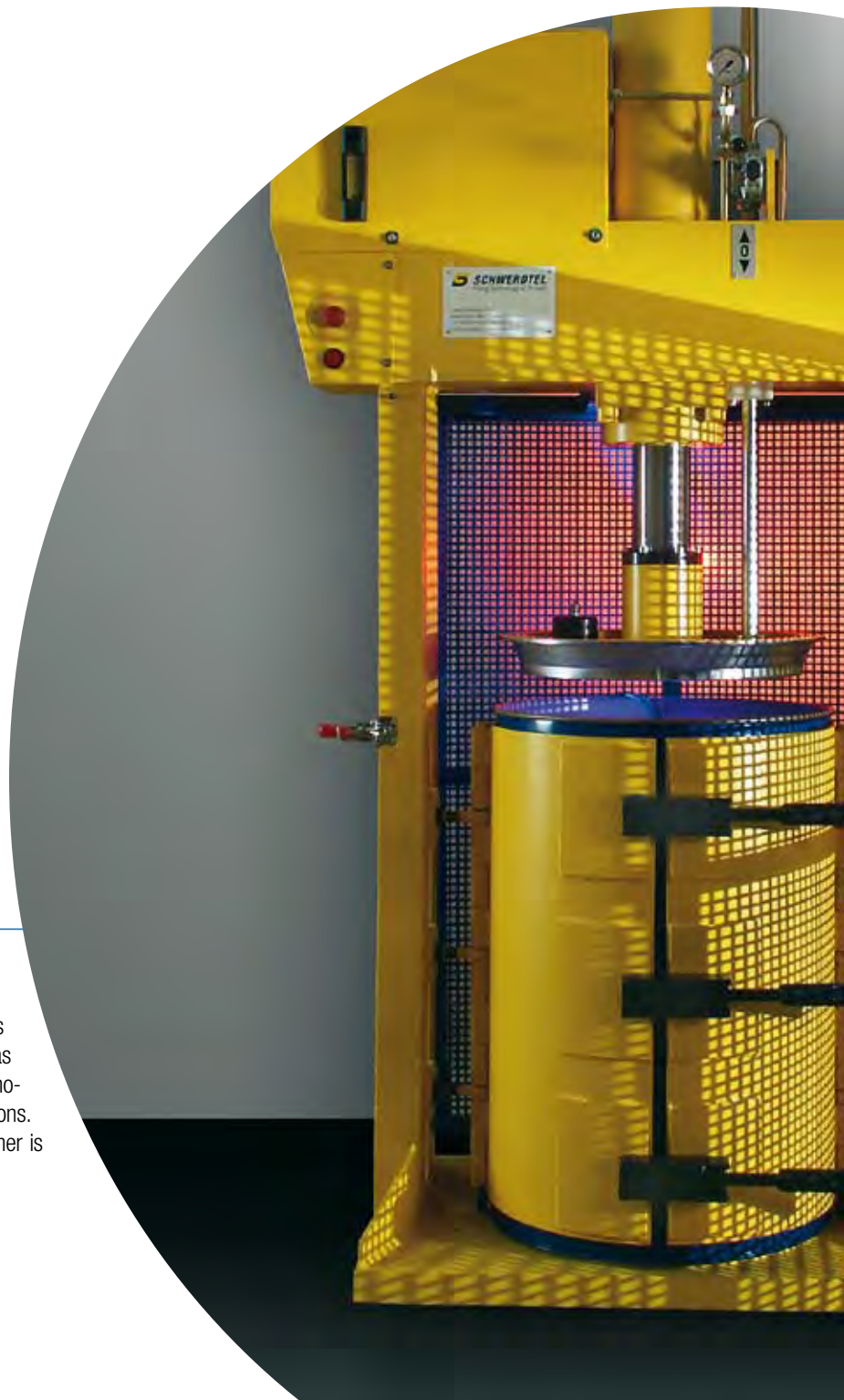


### Pail Press S 6-H

**For emptying-out** pails, the press S 6-H is the optimum solution. The emptying-out can be done through an outlet in the pressure plate via a material hose or, with corresponding containers, via a bottom outlet.

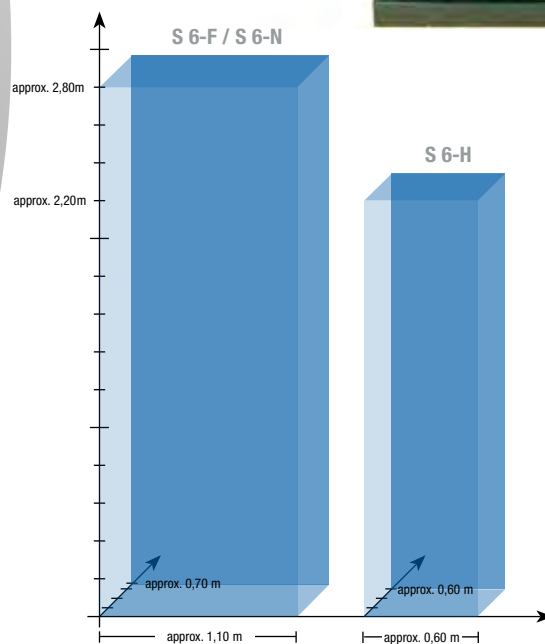
### Drum Press S 6-F

**The S 6-F type presses** are used for emptying-out either ribbed or straight-walled 200 l drums. Corresponding tailor-made drum reinforcements are available, as well as pressure plates with one or two O-rings. The customer has also the choice between an electro-hydraulic or a pneumo-hydraulic version, water or air cooling and many other options. Thus, a solution that meets the requirements of the customer is possible.



## Stainless Steel Drum Press S 6-N

**The press** S 6-N has the same working principle as the S 6-F. It is, however, designed for the use in the cosmetics, pharmaceutical and food industry. Also in this case, the material is fed through an outlet in the pressure plate via a material hose - in food-grade quality - to the filling line. The pressure plate, however, is made of stainless steel and can be delivered, if requested, as quick-dismountable version.





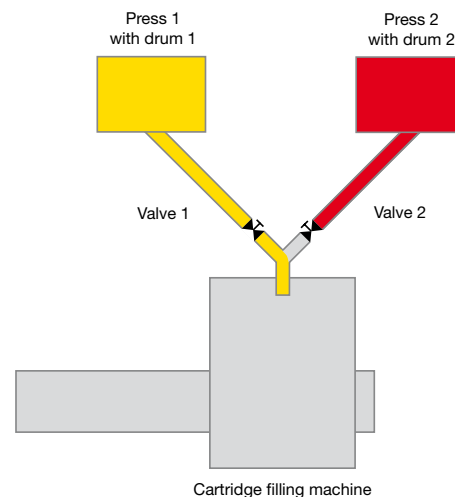
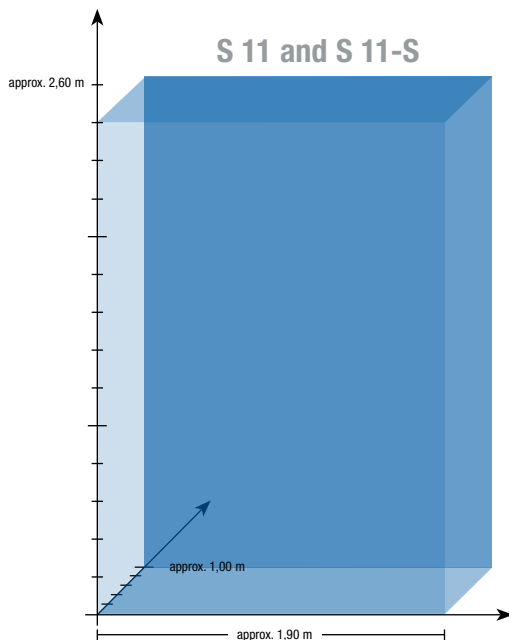
### Drum / Container Pump S 11

For **high-viscous** products (e.g. Polyurethane), we recommend the use of a **Schwerdtel** material pump. The hydraulically driven pump is mounted on a follower plate. This plate follows the material level in the drum. Thus, only minimum pressure to the product surface and no mechanical stress to the container walls are created. Therefore, also not pressure-resistant containers can be emptied out. The pump can build up feeding pressures of up to 50 bar (adjustable!) – enough pressure to feed also the highest viscosities.

### Automatic Switch-Over Unit

By using an **automatic switch-over unit**, 2 feeding systems can be connected to assure an uninterrupted product flow. Change-over times for drums and containers are eliminated. The efficiency of the feeding achieves thus 100%.

S 11 and S 11-S



## Drum / Container Pump S 11-S

**For extremely moisture-sensitive products** with the highest viscosities, it is necessary to replace the material hoses by a rigid metal piping. As the pump and the follower plate are now fix installed, the drum is lifted and the material surface is pressed against the follower plate. As a matter of course, also the piping is supplied by **Schwerdtel**.



**Schwerdtel** also manufactures tailor-made solutions for your special product. Thus, products which e.g. cannot be pressed out at room temperature, can be handled with a special press pump. In this case, the pressure plate is designed as heating element with a heat capacity of up to 18 kW. The melted product can now be pressed out. A downstream adjustable gear pump assures a precise and constant product flow. In this case, the synergy between a press and a pump was the optimum solution.

Please describe us your problem – **Schwerdtel** is the specialist. We will surely find a solution for it!

