

# HYDAC APPLICATIONS



## HYDAC Accessories in Plastic Injection Moulding Machines.



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## An end to vibrations and noise.

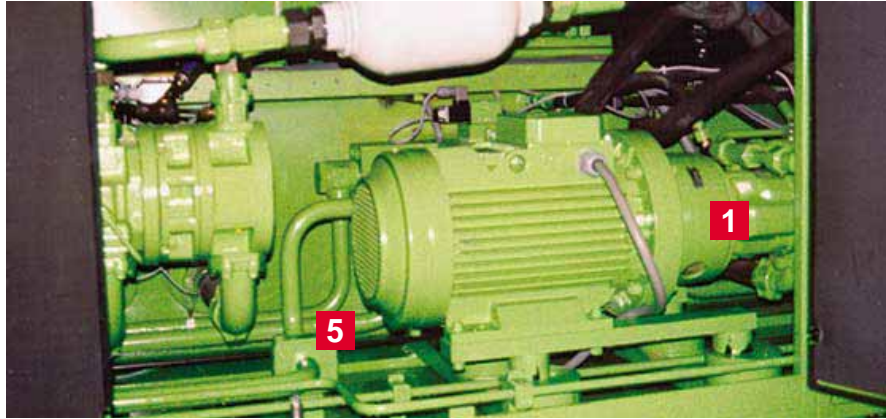
Sometimes the smallest cause can have a huge effect, and when it comes to buying a plastic injection moulding machine, the design in terms of service life and increasing noise emission become crucial to the decision-making process.

One of the typically small causes for production downtimes is the damage caused by vibrations, for example:

Interference to the electronics, leakage from pipe joints, increased wear and tear and breakdowns in the control components of the hydraulic circuit.

In addition, excessive noise emissions reduce the efficiency of staff.

For the precise alignment of electrical motors and hydraulic pumps and the effective damping of vibrations and noise on plastic injection moulding machines, **HYDAC ACCESSORIES** offers an extensive range of suitable components and complete solutions for drive capacities of 0.55 kW to 132 kW.



### 1 Flexible bell housings

The flexible bell housing connects the electric motor to the hydraulic pump. Both flange sides are ready-machined. The torque is transmitted via a flexible coupling so that the damping element is just compressed. Noise and vibration are reduced by decoupling the rigid connection of electric motor and hydraulic pump. Compatible with mineral oil through the use of NBR rubber compound for damping element. Available for drive capacities of 0.55 to 132 kW. Cost-effective rigid version available without noise damping for drive capacities of 0.18 to 355 kW.



### 2 Damping rings

For vertical and horizontal mounting. Cost-effective noise reduction by decoupling from the tank. Compatible with mineral oil through the use of NBR rubber compound. Vulcanized sealing lip, no additional sealing required. For drive capacities of 0.55 to 200 kW.



### 3 Damping rails

For electric motors of construction type IM B35 and bell housing foot brackets to VDMA 24561. Designed for weight bearing when installed horizontally, noise reducing and oscillation damping. Compatible with mineral oil through the use of NBR rubber compound.



### 4 Couplings

The couplings are torsionally flexible and transmit the torque positively. They are fail-safe. The oscillations and shocks occurring during operation are effectively damped and reduced. Available in different hub materials: aluminium, grey cast iron (GG/GGG), steel.



### 5 Ball valves

Standard models from our range or customised solutions.



### 6 Mounting technology

Rigid and flexible elements and systems for mounting pipes, hoses and cables, reservoirs and components.