



**Only HASCO's patented  
hose nipple profile  
ensures:**

- high pull-off forces
- high bursting pressure
- no hose damage

## Highest quality standards

The satisfaction of our customers is very important for us.

For this reason, we attach major importance to the high quality raw materials and constant quality control.

- Certified quality standard to DIN ISO 9001
- Unambiguous product identification guarantees 100% traceability
- Extra-tight production tolerances allow global compatibility

**More than 100,000 high-quality standardised mould components make HASCO the most reliable full service provider for modern mouldmaking. The latest HASCO cooling system catalogue offers a compact overview of the product diversity of the cooling system program.**

**Easy - Online - Ordering**

[www.hasco.com](http://www.hasco.com)

## Exclusive from HASCO



Multiple shut-off coupling with valve Z809HT/...  
Spiral core Z9611/... single-threaded,  
Z9612/... doubled-threaded, stainless steel  
Diverting element Z9642/..., Diverting unit Z9672/...  
Diverting plug Z9675/..., Z9676/...  
TempFlex Z976/..., Z977/...  
Cool Cross Z99/...

## HASCO cooling system – used worldwide



# HASCO®

Enabling with System.

# HASCO Cooling System

# The Original

**50 Years**  
HASCO Cooling System

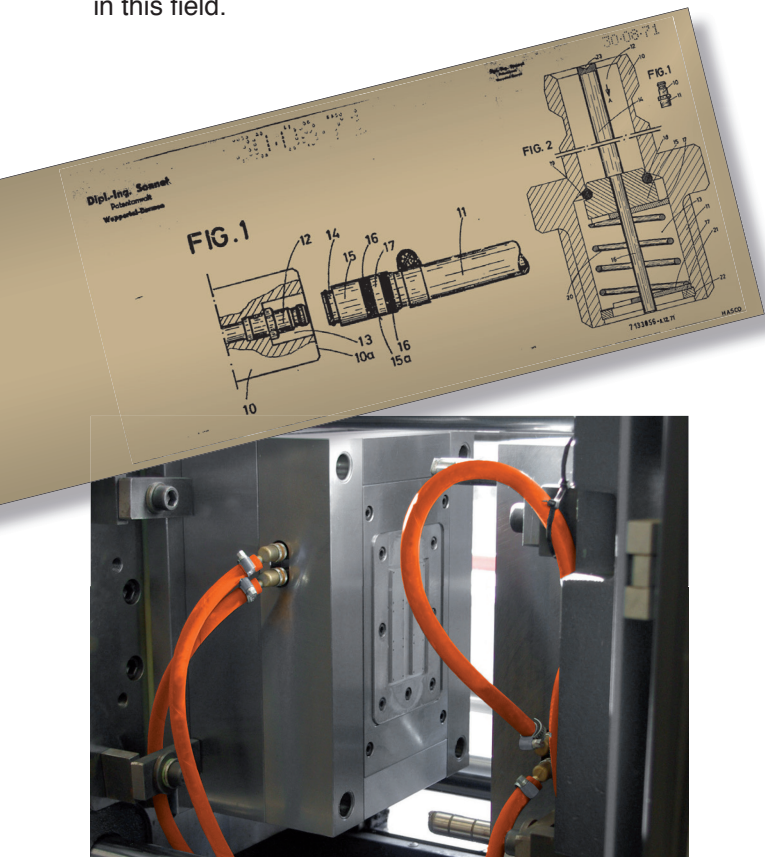


## HASCO - Setting the standard for efficient cooling and mould construction for 50 years

It was back in 1971 that HASCO developed the first plug-in connector with the respective coupling, and also applied for a patent for them.

Constant new, market-oriented developments made it possible to establish one of the most comprehensive ranges of cooling systems for mouldmaking. The exceptional diversity of the possible combinations provides effective solutions for all applications.

With 50 years of experience in cooling technology, HASCO is the leading expert partner in this field.



Developments and patents –  
5 decades in short

### Standard

HASCO has defined the international standard on the market.

The new temperature control poster presents a compact overview with detailed technical information. It provides optimum assistance in selecting the right products.

- Clear visualisation of all cooling elements
- Metric connecting thread = brass-coloured (not coated)
- Inch-connecting thread = nickel-plated
- Open coupling system = nickel-plated slide bush
- Shut-off coupling = brass-coloured slide bush



### High temperature

With the HT range, HASCO is the only supplier to offer a cooling system that enables long-term service temperatures of up to 220 °C, regardless of the medium used.

This performance is achieved through special seals with long-term high-temperature resistance.

- High-temperature sealing rings for maximum load
- Clear identification through orange circular marking
- Maximum process safety in applications with hot water or cooling oil
- Transparent data on maximum service temperatures, differentiated according to the respective media



### Push-Lok

The patented Push-Lok system makes it even easier and faster to provide moulding tools with the corresponding equipment.



- Simple assembly
- Rapid repair directly on the workbench
- Inflow and outflow on the mould immediately recognisable
- Hose and couplings perfectly coordinated to each other



### Stainless steel

The HASCO cooling range made of stainless steel consists of more than 30 product groups and thus offers maximum flexibility.

The selection of components has been specifically adapted to the needs of the market.

This comprises not only couplings and plug-in connectors but also products such as hose clips, locking screws and diverting bridges.



- Ideal for medical and clean-room technology
- Quality material 1.4305 and special FKM sealing materials
- Standard system: ≤ 150 °C (water), ≤ 200 °C (oil)
- HT system: ≤ 180 °C (water), ≤ 220 °C (oil)
- Very low compression set
- Thread tightness even with large temperature differences

### Clean break

The clean break HASCO cooling program ensures maximum safety when decoupling.

The innovative temperature control system with flat front sealing faces and double-sided lock allows clean opening and closing under pressure without media leakage.

- Maximum flow with low pressure loss
- No contamination of the working environment
- Resistant to vibrations and movements
- High service temperatures depending on the cooling medium
- Absolutely tight and long-lasting



1970

Shut-off coupling Z80/...,  
Plug-in connector Z81/...

1980

Multiple shut-off coupling Z809/...,  
Multiple shut-off nipple Z819/...

1990

Patented connecting tube,  
developed in-house

2000

Extensive expansion of the  
product portfolio cooling hose

2010

HASCO is the number one supplier in  
the field of high-temperature applications

2020

Clean break  
coupling system