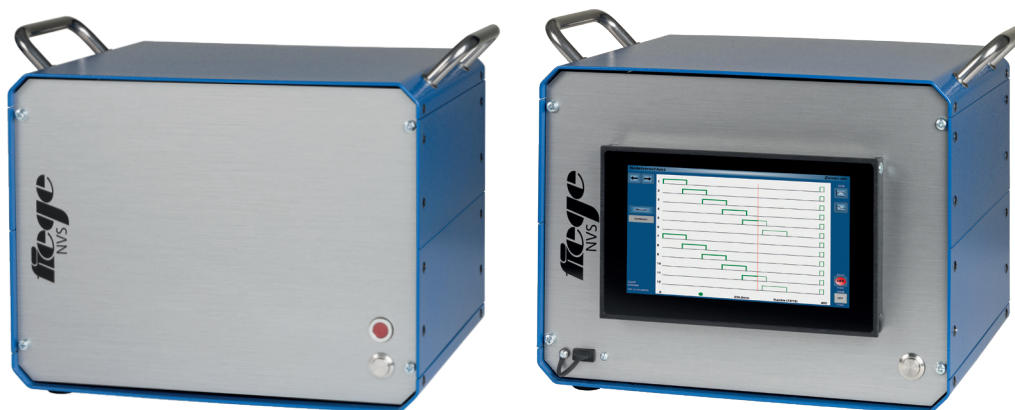




NVS and NVS-TP

Needle valve control -System

Ahead of the competition - It's your choice:

One of the most recent Fiege electronic top performers is the stand-alone version of the proven needle shut off control of the NVS series. The NVS-TP version has its own touch display and can therefore be used completely independently of the hot runner controller. The proven NVS version extends any existing temperature controller (software version 3.0 and above) by the functionality of a needle shut off control. With this development, Fiege yet again sets the standard in terms of flexibility and ease of operation. The devices of the NVS series can be used irrespective of the hot runner manufacturer.

The main features in brief

- ✓ Compact add-on device as "NVS" or as stand-alone version "NVS-TP"
- ✓ For 4 to 32 zones in steps of 4
- ✓ 24V DC control mechanism
- ✓ Operation via hot runner controllers or via the touch display on the front (NVS-TP)
- ✓ Flexible visualisation

Technical data

Housing:

Aluminum, colour RAL 5010 gentian blue, special colours available upon request

Dimension/weight:

Acc. "Device model", table (see below)

Channels:

4 to 32 in 4 steps

Operation / Visualisation:

NVS: Via any hot runner controllers of the "TP" or "VARIO" series (program version 3.0 and later)

NVS-TP: Via the touch display on the front

Power outputs:

24VDC/1.25A = 30W per channel

Stroke control:

Up to 1000 mm, accuracy 0.1mm

Time control:

Up to 600 secs, accuracy 0.1 sec

Control inputs:

Contact inputs for: Machine release, injection start and start holding pressure

Alarm notification:

NVS: Alarm contact and message on the connected hot runner controller

NVS-TP: Shows on display as well as dry alarm contact

Interfaces:

NVS: 1x Ethernet for future extensions (1x Ethernet for connection of the hot runner controller)

Mould connection:

See diagram of the equipment or customised depiction upon request

Power supply:

230 VAC +10...-10%, 50...60 Hz, 1P / N / PE, other voltages upon request

Control fuse:

Safety fuse MT 6.3 A, 5 x 20mm

Power supply:

Mains cable with schuko plug length 4m

Ambient temperature:

Operation 0...+50°C, storage -0...+70°C
Air conditioning

Application class:

According to DIN 40 040, relative humidity ≤ 75% in the annual average, no condensation

Protective system:

IP20

Protection class:

I



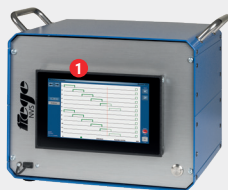
NVS User interface

1. Hot runner controller
2. Visualisation
3. Needle shut-off control system



NVS Device rear wall

1. Solenoid valve connection
2. Mains connection
3. Way sensor connection
4. Controlling signals of the machine
5. 2X LAN



NVS-TP User interface

1. Visualisation and needle shut-off control system in one housing



NVS-TP Device rear wall

1. Solenoid valve connection
2. Mains connection
3. Way sensor connection
4. Controlling signals of the machine
5. Alarm output

Device models

Channels	NVS	Item no.	NVS-TP	Item no.	Size(mm) W x H x d	Weight ca. (kg)
4	NVS 4	1500-0000-04	NVS 4 TP	1520-0000-04	341 x 260 x 250	8
8	NVS 8	1500-0000-08	NVS 8 TP	1520-0000-08		
12	NVS 12	1500-0000-12	NVS 12 TP	1520-0000-12		
16	NVS 16	1500-0000-16	NVS 16 TP	1520-0000-16		
20	NVS 20	1500-0000-20	NVS 20 TP	1520-0000-20	341 x 345 x 250	12
24	NVS 24	1500-0000-24	NVS 24 TP	1520-0000-24		
28	NVS 28	1500-0000-28	NVS 28 TP	1520-0000-28		
32	NVS 32	1500-0000-32	NVS 32 TP	1520-0000-32		

0000: will be replaced by a custom version number in the case of special equipment)

Features

- 24V DC control mechanism for pneumatic and hydraulic solenoid valves
- **NVS:** Control, operation and mould administration takes place via the hot runner controllers of the "TP" or "VARIO" series (program version 3.0 and later)
- **NVS TP:** Operation and mould administration via the touch display on the front
- The injection process can be controlled by means of screw strokes or injection time
- There are 5 switching operations available per channel and cycle
- Manual control is an element for starting the system and during maintenance work

Accessories

Product

Way sensor	Up to 1000 mm upon request
Connection cable for way sensor	Upon request
Connection cable for machine signals	
Connection cable for machine signals	



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Do you have any questions about our products?

Our expert staff will be happy to help you further.