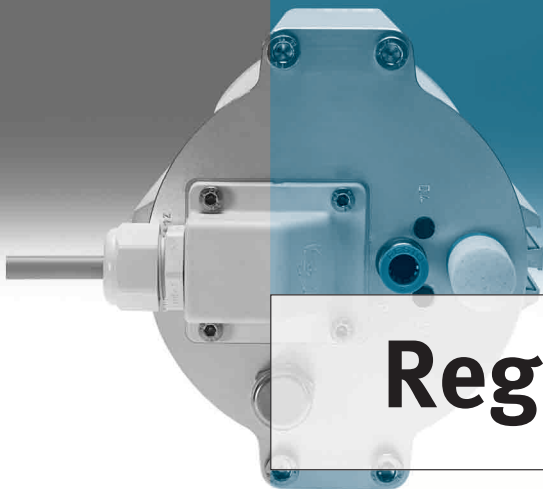


# Regulated linear drive DFPI

FESTO



## Regulated!

**DFPI – a regulated drive for all linear actuated process valves!** Its all-in-one design and technological details make it ideal for controlling knife gate valves and shut-off valves with regulated strokes: integrated displacement encoder via linearly potentiometric displacement sensor, valve manifold, positioner and an extremely sturdy connection.

### Sturdy for the roughest environments

A sturdy and compact housing, protection in IP65, IP67 and IP69k and high corrosion resistance KBK3: ideal properties for exterior use.

### Quick Setup

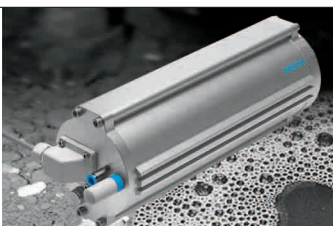
Thanks to self-initialisation, commissioning is just as quick and easy as integration in an existing control architecture with a set-point and analogue feedback signal from 4 ... 20 mA.

### Individual operation

Thanks to the flow control functions, the back-and-forth movement speed of the piston rod can be set separately or independently of each other; sensing of the intermediate positions is optionally possible.

### Versatile in its variants

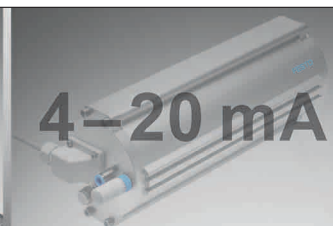
In the diameters 100, 125, 160, 200, 250 and 320 mm and strokes from 40 mm up to 990 mm; special designs above 990 mm stroke on request.



Robust!



Simple!



Exact process control!

910.12.PSI →

Product Short Information

# Regulated linear drive DFPI

## Sturdy, simple and exact: DFPI

- Linear drive with integrated positioner and displacement encoder
- All-in-one design for exterior use thanks to sturdy materials and properties like high IP protection
- The drive can be used for regulating knife gate valves e.g. in sewage plants, the bulk goods industry and all other applications in which the media in piping systems must be regulated.

## General technical data

Piston diameter	100	125	160	200	250	320
Pneumatic connection	G 1/4					
Exhaust port	G 1/4					
Constructional design	Double-acting piston cylinder					
Cushioning	None					
Installation position	Any					
Position sensing	Internal displacement encoder, with optional external proximity sensor					

## Operating and environmental conditions

Operating pressure	6 bar
Operating medium	Filtered compressed air, lubricated or unlubricated
Ambient temperature	Standard: -5 to +50 °C
Storage temperature	-20 to +60 °C
Safety setting	Piston rod extending or retracting
Operating voltage	24 V DC +/-10 %
Setpoint value input and feedback signal	4 to 20 mA
Explosion protection	Per ATEX In accordance with EC directive 94/9/EC
Accuracy	+2 %
Protection class	IP65, IP67, IP69k
Electrical connection	Selectable via type code: Cable cover Flange receptacle in light or heavy design

## Materials

Cylinder barrel	Anodised aluminium, from diameter 250 mm stainless steel
Cylinder cap	Anodised aluminium
Piston rod	Stainless steel
External screws	Stainless steel

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