

# Feed separator HPV

FESTO



## • Automated feed separation!

### Bringing order to the supply process

And that is the whole point: the HPV requires only one valve for activation – the internal mechanics automatically control the entire separation process.

### Unique: The overall HPV concept

From simple, high-precision assembly to integrated mechanical locking mechanisms and integratable proximity sensors. The stainless steel feed separating plungers are finger also particularly suitable for applications in corrosive environments.

### Unique: The sensor concept

There are several sides to the problem of fitting space. On the one hand, space costs money and may also increase design costs in some cases. On the other hand, the integration of sensor functionality offers protection against mechanical and environmental influences. For the HPV, Festo uses the standard SME and SMT 8 sensors which are used in many other drives and fit almost seamlessly into the HPV's sensor slot.



... n ...

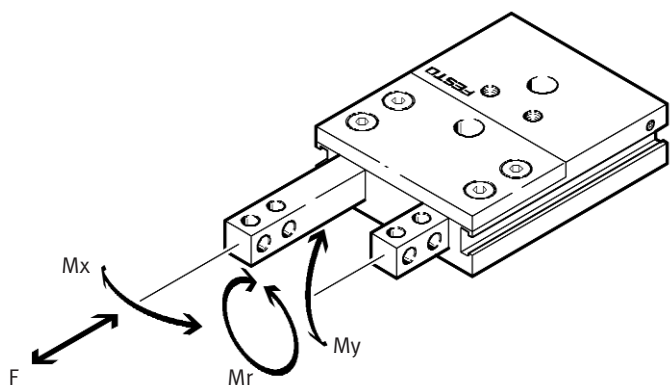
... 1 ...

... 1!

120.1.PSI →

Product Short Information

# Feed separator HPV



## Product range overview

Function	Size [mm]	Stroke [mm]
Double-acting	10	10
	14	20, 40
	22	30, 60

## Design

Size	10	14, 22
Pneumatic connection	M3, M5	M5
Mode of operation	double-acting	
Position sensing	with proximity sensor	
Type of mounting	with through-holes	
	via female threads	

## Characteristic static load values

Size	HPV-10	HPV-14	HPV-22
Force $F_z$ [N]	75	100	180
Torque $M_x$ [Nm]	3	5	9
Torque $M_y$ [Nm]	3	5	9
Torque $M_r$ [Nm]	3	5	9

## Operating and environmental conditions

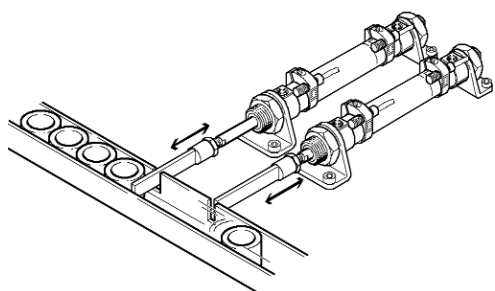
Size	10, 14, 22
Operating pressure	3 ... 8 bar
Ambient temperature	+5 ... +60 °C

Permissible characteristic static load values at the plungers

## Separation of workpieces in the supply process

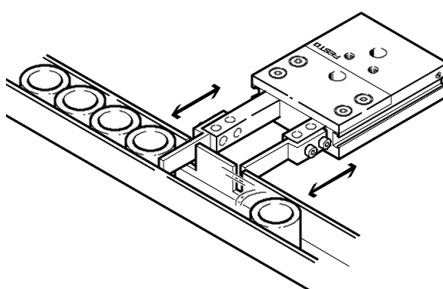
### In the past

- At least 2 drives,  
2 valves and 4 proximity sensors
- Major programming required



### To day

- 1 drive, 1 valve and 2 proximity sensors
- More cost-effective
- Process reliability
- No programming required



## Festo AG & Co. KG

Ruiter Strasse 82  
73734 Esslingen  
www.festo.com  
Tel. +49 711 347-0  
Fax +49 711 347-2144  
service\_international@festo.com

\* Representatively tested and certified with products ADVU, DGPL and DNC.