

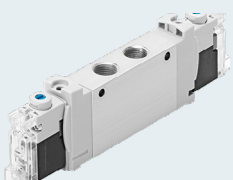


**FESTO**

# Festo Essentials

Featuring products from the Festo ★ CORE Program

Readily available • Quick delivery • Great value



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

# Your first choice products for simple, cost-effective pneumatic control

## Mini slide DGST



**The most compact of its kind on the market, but big in performance and precision**  
A real space-saver: the compact and short slide unit features integrated cushioning components and sensor mounts. The mini slide delivers maximum precision across the entire stroke thanks to the combination of yoke and slide in one part and the recirculating ball bearing guide underneath it. The large range of cushioning options together with the use of position transmitters opens up numerous applications.

- Areas of application**
- Pick and Place handling units.
  - Piggyback handling units.
  - Precise positioning.
  - Precise press-fitting.

- Cushioning**
- Elastic cushioning at both ends, no end-position adjustment.
  - Elastic cushioning at both ends, non-adjustable, with end-position adjustment.
  - Shock absorbers at both ends, self-adjusting, with end-position adjustment.

- Suitable industries**
- Electronics and light assembly.
  - Machine building.
  - Handling technology.

## Guided drive DFM



**A true guiding light!**  
Robustness is the name of the game with the DFM. This impressive guided drive has the best price/performance ratio in the market and offers optimum guide characteristics, sturdiness and flexibility. It is reliable, adaptable and resilient – even with high torques. The combination of linear drive and powerful guide in a compact unit means that the DFM can reliably move high loads, even in tight spaces.

- Areas of application**
- Excellent operational stability compared to standard drives.
  - High resistance to torques and lateral forces.
  - Good for tasks involving clamping, stopping, pushing, pulling, restraining, holding, cutting, stopping and separating.

## Compact cylinder ADN-S

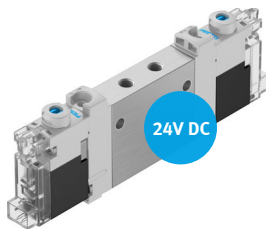


**The smallest compact cylinder for micro movements**  
The compact cylinder series ADN-S is optimized in terms of installation space. Its strong point is its design, which is ideal for simple pressing and holding functions in relatively clean environments. In particular the small diameters of 6 and 10 mm are perfect for the electronics industry and small parts assembly, where they simulate micro movements for testing control buttons, keyboards or similar.

- Areas of application**
- Linear short stroke movements.
  - Pushing or pulling without any lateral loads.
  - Primary tasks such as pushing of buttons and clamping of small parts.

**Everyday products for everyday standard tasks.** These products are designed to offer high functionality and compactness at the same high quality you expect from Festo for users looking for simple, cost-effective pneumatic control. This select range of products includes compact and robust valves, guided and mini slide units, compact cylinders, regulators, filter regulators and tubing. And they each form part of the Festo core product range - take advantage of products which offer shorter delivery times and competitive prices from one single source supplier.

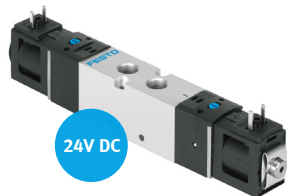
## Compact valve VUVG-S



**Get more power from a smaller design**  
Compact, inexpensive, high performance and installed in a flash. They're the perfect choice for all high-speed applications requiring a particularly high flow rate combined with a compact size. They offer essential features at an attractive price with the proven Festo quality.

- Areas of application**
- Designed for small to medium flow.
  - Perfect for limited space requirements.
  - Suitable for majority of applications including: electronics, food and end line packaging, textile, mobile applications, light assembly, conveyor systems.
  - The lightweight aluminum housing is ideal for direct mounting on robot arms or cylinders.

## High flow valve VUVS-S



**The robust valve for harsh environments**  
High flow rate and elegant design. This series is a perfect example of heavy-duty pneumatics offering reliable operation at a great price. Combines features required for operation in harsh environments such as impact resistance, ease of installation, and mounting options, including manifolds.

- Areas of application**
- Single installations.
  - Conveyor divertors and stops.
  - Suitable for manifold mounting.
  - Basic valves with focused features for 24V DC.
  - Designed for medium to large flows.

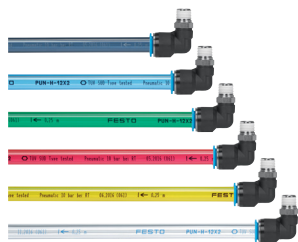
## Regulator and filter regulator MS2



**Extremely lightweight and compact with high flow rates**  
Advanced polymer materials make the compressed air regulator and filter regulators up to 50% lighter than competitive products, but extremely sturdy at the same time. The optimized design provides a very high flow rate performance, while the stable control behavior ensures smooth processes. These strong, cost-efficient and lightweight components are ideal for use directly in the application and in the electronics industry.

- Areas of application**
- Minimal space requirements.
  - Ideal for end-of-arm, small parts assembly and in the electronics industry.
  - Designed for use close to the process directly in the machine.

## Polyurethane tube PUN-H



**Detect solid particles, moisture or oil in the line**  
PUN-H is the go-to-tube for a wide variety of applications including the exposure to wet environments, humidity and even outside thanks to its corrosion resistant properties. Combined with its high kink resistance, it's the ideal choice when selecting tubing for uninterrupted and reliable air supply. Thanks to its high quality base material, it is suitable for use both in the food industry and outdoors. Both transparent and non-transparent colors are available.

- Areas of application**
- General pneumatic automation.
  - Used in the food zone.
  - Environments with high moisture levels, weather resistant and resistance to UV radiation (black color).

**The hallmarks of Festo products:**

- Well designed
- Built-in reliability
- Easy to install
- Superb quality
- Quick delivery



**Core Product Range**  
A star, a distinction, a promise: the best for your task. With the Festo core product range, you can choose from an extensive portfolio and benefit from high-quality components at particularly attractive prices.

# Your first choice products for simple, cost-effective pneumatic control

## Round cylinder DSNU-S



### Round cylinders ideal for small spaces

When space is tight, the DSNU-S is the slimmest and shortest round cylinder for maximum space savings. The chosen materials and precision manufacturing provide durability and ensure reliable performance and longevity. Ideal for simple direct mounting and easy commissioning in combination with Festo’s PPS cushioning, DSNU-S provides space-saving and tamper-proof performance in strokes up to 200mm.

#### Areas of application

- Linear, short to medium stroke movements.
- Pushing or pulling with minimal lateral loads.
- Ideal for use in tight spaces.

## Round inch cylinder DPRA



### Direct interchangeability with common inch round-body cylinders

The DPRA is Festo’s direct interchange inch round-body pneumatic cylinder. Superior performance due to 303 stainless steel piston rod and 304 stainless housing providing corrosion resistance, low friction and long life. Oil-impregnated piston rod bushing and low friction U-cup seals create a pneumatic cylinder with efficient performance, superior service life and reliability. Premium lubrication provides excellent running characteristics and outstanding efficiency.

#### Areas of application

- Offers direct interchangeability within the product classification of non-repairable round-body cylinders.
- Optional high temperature and low temperature seals are available for special environments.
- An extensive range of variants and mounting accessories for most applications.

**Everyday products for everyday standard tasks.** These products are designed to offer high functionality and compactness at the same high quality you expect from Festo for users looking for simple, cost-effective pneumatic control. This select range of products includes compact and robust valves, guided and mini slide units, compact cylinders, regulators, filter regulators and tubing. And they each form part of the Festo core product range - take advantage of products which offer shorter delivery times and competitive prices from one single source supplier.

## Compact inch cylinder DPCA



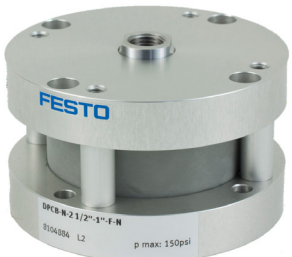
### Fits to tight spaces, ideal for clamping and holding

Robust construction due to high quality, solid aluminum construction. The smooth, cylindrical body with protective clear anodized coating enables superior corrosion resistance. Premium lubrication provides excellent running characteristics and outstanding efficiency. Self-lubricating piston rod bearing and internally lubricated seals enables superior service life and reliability. Offers an extensive range of variants and mounting accessories for most applications.

#### Areas of application

- Self-lubricating piston rod bearing and internally lubricated seals enables superior service life and reliability.
- Available in a wide range of bore sizes from 1/2” to 4”, and stroke lengths up to 4” as standard.
- Unique adjustable stroke version enables manual and precise stroke adjustment.
- An extensive range of variants and mounting accessories for most applications.

## Compact inch cylinder DPCB



### Superior reliability and service life

Superior performance due to high strength composite cylinder barrel with exceptional low friction and heat reducing operation. Captive rod seals and rod bearing allow for hassle-free operation, and premium lubrication provides excellent running characteristics and outstanding efficiency. Self-lubricating piston rod bushing and internally lubricated seals create a pneumatic cylinder with superior service life and reliability. The robust construction with clear anodized aluminum heads, stainless steel tie rods and hard chrome piston rods provide a durable cylinder for many applications.

#### Areas of application

- DPCB offers direct interchangeability within the product classification of compact pancake cylinders.
- Available in a wide range of bore sizes from 1/2” to 4”, and stroke lengths, up to 4” as standard.
- An extensive range of variants and mounting accessories for most applications.
- CAD models for easier and faster design.

## NFPA cylinder DSNA



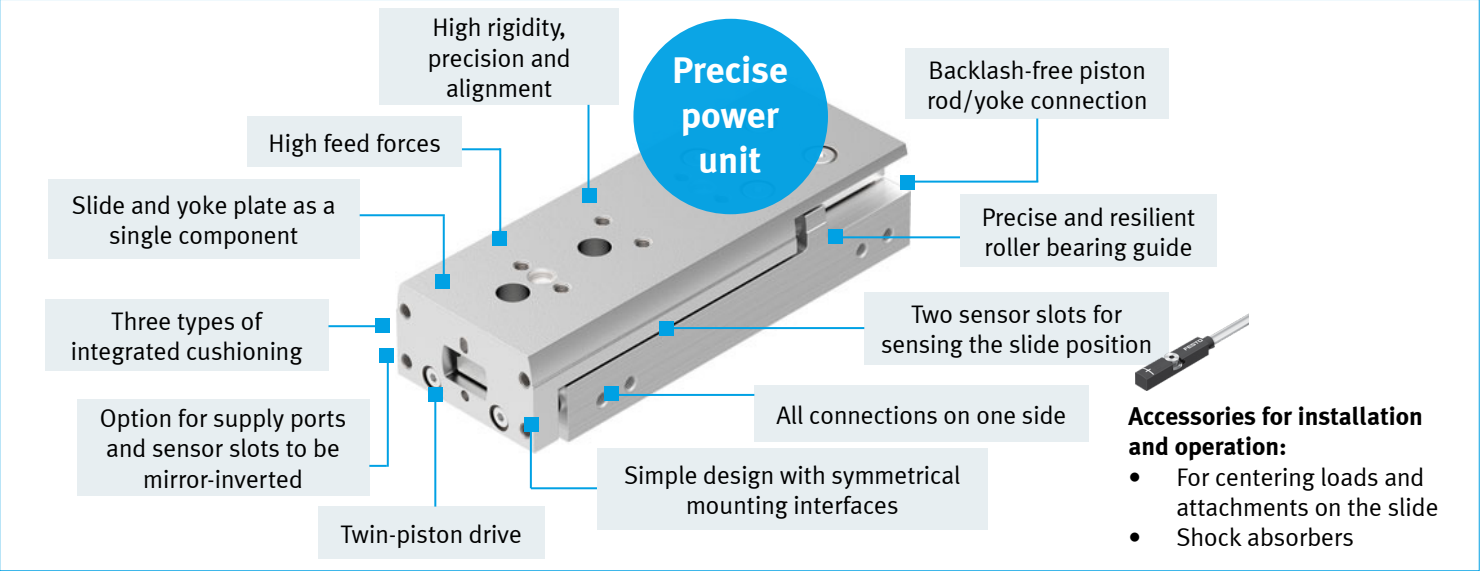
### The corrosion resistant and robust design make it an ideal choice

Repairable, pneumatic cylinder conforming to NFPA interchange dimensions. The cost-optimized design makes this an ideal choice for OEM machinery manufacturers. Sturdy construction with stainless steel tie-rods makes this cylinder highly suitable for industries like construction, agriculture, packaging and the automotive industry.

#### Areas of application

- Direct interchangeability with NFPA cylinders.
- Available in a range of bore sizes from 1.5” to 4”.
- Corrosion resistant construction and special rod bushing make it suitable for harsh environments and high workload applications like stamping, construction and packaging.

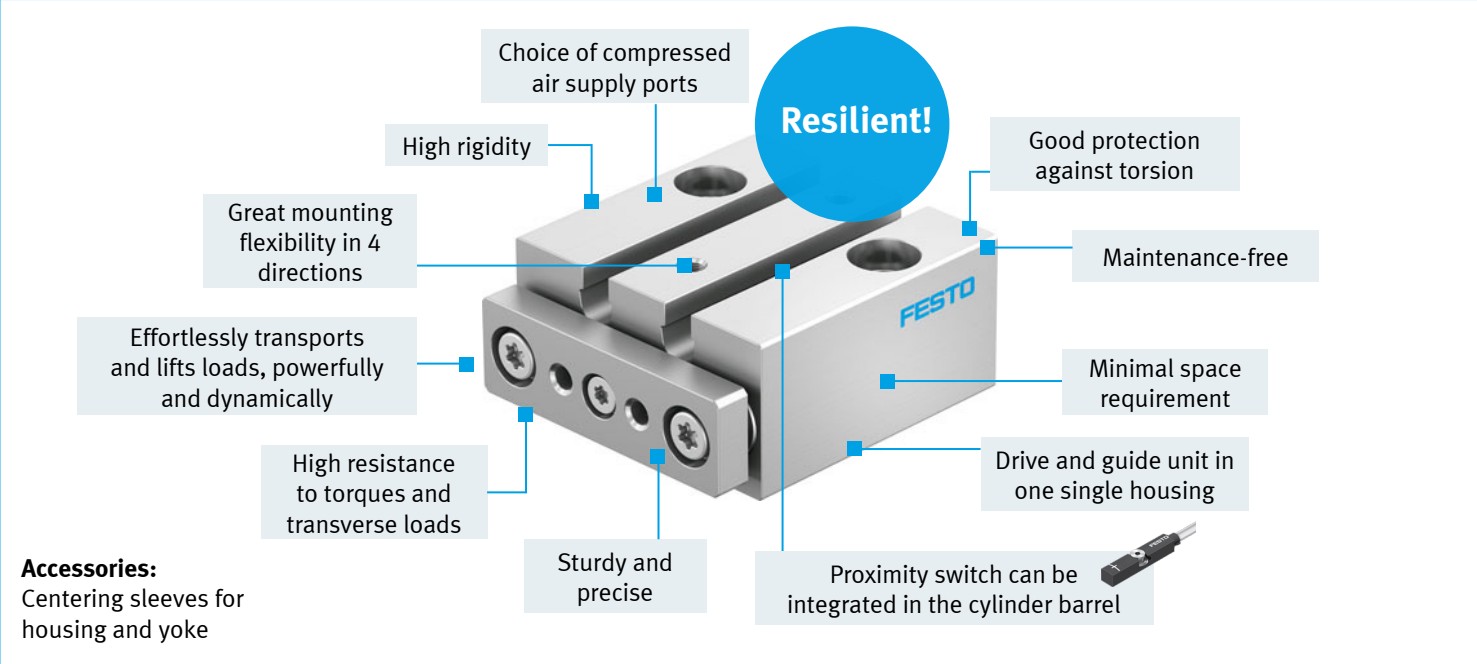
Compact mini slide - DGST



Size [mm]	6	8	10	12	16	20	25
Stroke [mm]	Cushioning E1: Elastic cushioning at both ends, no end-position adjustment						
10	8078828 ★	8078833 ★	8078839 ★	8078846 ★	8078853 ★	8078862 ★	8078872 ★
20	8078829 ★	8078834 ★	8078840 ★	8078847 ★	8078854 ★	8078863 ★	8078873 ★
30	8078830 ★	8078835 ★	8078841 ★	8078848 ★	8078855 ★	8078864 ★	8078874 ★
40	8078831 ★	8078836 ★	8078842 ★	8078849 ★	8078856 ★	8078865 ★	8078875 ★
50	8078832 ★	8078837 ★	8078843 ★	8078850 ★	8078857 ★	8078866 ★	8078876 ★
80		8078838 ★	8078844 ★	8078851 ★	8078858 ★	8078867 ★	8078877 ★
100			8078845 ★	8078852 ★	8078859 ★	8078868 ★	8078878 ★
125					8078860 ★	8078869 ★	8078879 ★
150					8078861 ★	8078870 ★	8078880 ★
200						8078871 ★	8078881 ★
Stroke [mm]	Cushioning P: Elastic cushioning at both ends, non-adjustable, with end-position adjustment						
10	8085105	8085110	8085116	8085123	8085130	8085139	8085149
20	8085106	8085111	8085117	8085124	8085131	8085140	8085150
30	8085107	8085112	8085118	8085125	8085132	8085141	8085151
40	8085108	8085113	8085119	8085126	8085133	8085142	8085152
50	8085109	8085114	8085120	8085127	8085134	8085143	8085153
80		8085115	8085121	8085128	8085135	8085144	8085154
100			8085122	8085129	8085136	8085145	8085155
125					8085137	8085146	8085156
150					8085138	8085147	8085157
200						8085148	8085158
Stroke [mm]	Cushioning Y12: Shock absorbers at both ends, self-adjusting, with end-position adjustment						
30	8085159	8085162	8085166	8085171	8085176	8085183	8085191
40	8085160	8085163	8085167	8085172	8085177	8085184	8085192
50	8085161	8085164	8085168	8085173	8085178	8085185	8085193
80		8085165	8085169	8085174	8085179	8085186	8085194
100			8085170	8085175	8085180	8085187	8085195
125					8085181	8085188	8085196
150					8085182	8085189	8085197
200						8085190	8085198

Please refer to the online catalog → [www.festo.com/catalog/dgst](http://www.festo.com/catalog/dgst)

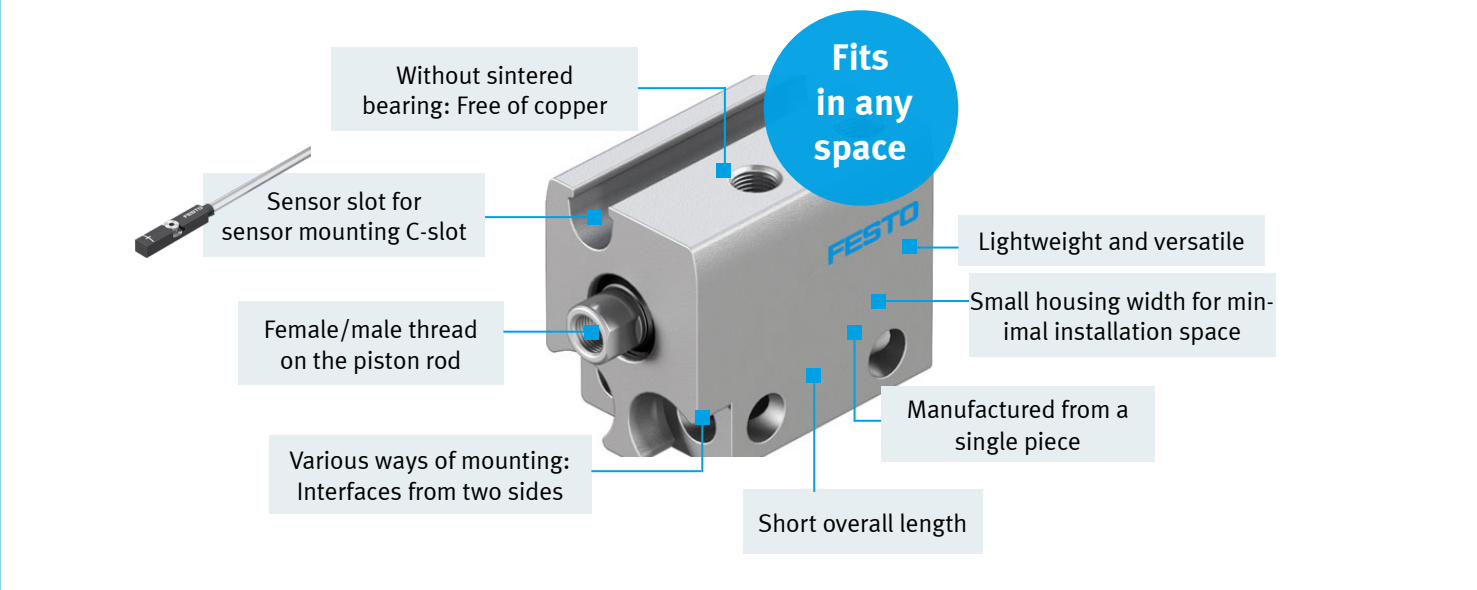
Guided drive - DFM





Piston	6	10	12	16	20	25	32	40	50	63
Port	M3		M5			G1/8			G1/4	
Stroke [mm]	Plain-bearing guide GF - high rigidity thanks to large-diameter guide rods and four plain-bearing bushes									
5	4149944	4154768								
10	4149945	4154769	170824	170832						
15	4149946	4154770								
20	4149947	4154799	170825	170833	170840	170847	170854			
25			170826	170834	170841	170848	170855	170864	170871	170878
30			170827	170835	170842	170849	170856			
40			170828	170836	170843	170850	170857			
50			170829	170837	170844	170851	170858	170865	170872	170879
80			170830	170838	170845	170852	170859	170866	170873	170880
100			170831	170839	170846	170853	170860	170867	170874	170881
125							170861	170868	170875	170882
160							170862	170869	170876	170883
200							170863	170870	170877	170884
Stroke [mm]	Recirculating ball bearing guide KF for applications involving torque loads									
10			170899	170907						
20			170900	170908	170915	170922	170929			
25			170901	170909	170916	170923	170930	170939	170946	170953
30			170902	170910	170917	170924	170931			
40			170903	170911	170918	170925	170932			
50			170904	170912	170919	170926	170933	170940	170947	170954
80			170905	170913	170920	170927	170934	170941	170948	170955
100			170906	170914	170921	170928	170935	170942	170949	170956
125							170936	170943	170950	170957
160							170937	170944	170951	170958
200							170938	170945	170952	170959

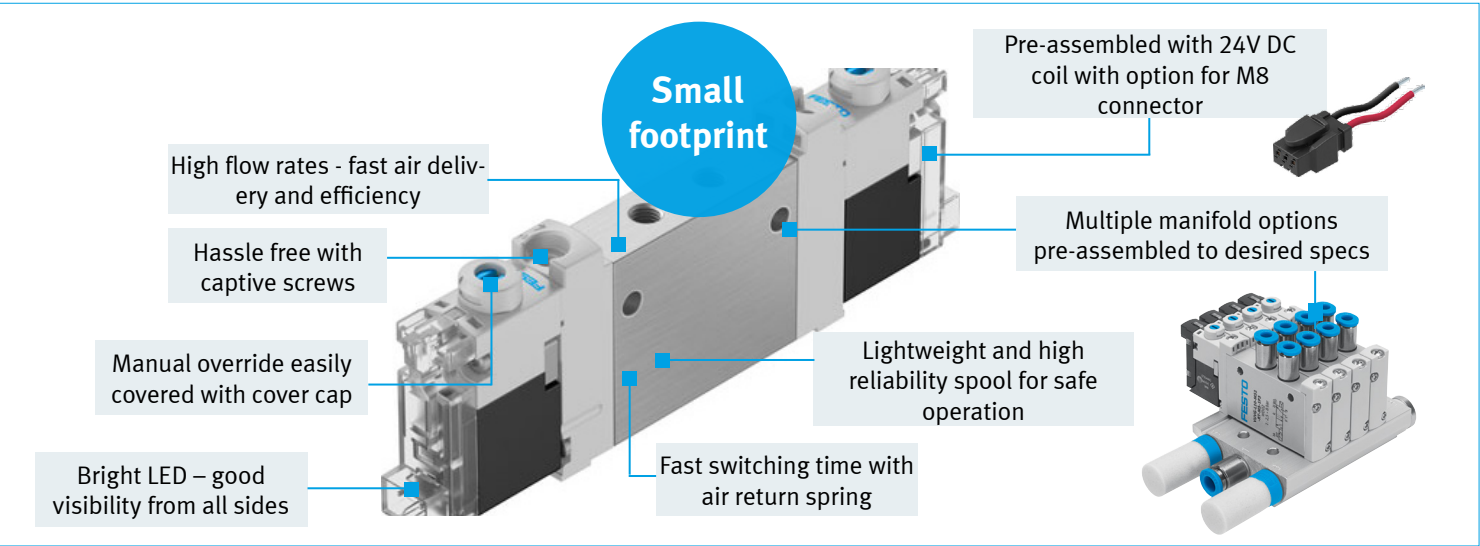
Note: Piston sizes also available in 80 and 100mm bore. Please refer to the online catalog → [www.festo.com/catalog/dfm](http://www.festo.com/catalog/dfm)

Compact cylinders - ADN-S/AEN-S























Piston	Stroke [mm]	I - Piston rod with female thread		A - Piston rod with male thread	
ADN-S [Double-acting]					
6mm	Without position sensing				
	5	4886885 ★	ADN-S-6-5-I	8080598	ADN-S-6-5-A
	10	4886886 ★	ADN-S-6-10-I	8080596	ADN-S-6-10-A
	With position sensing				
	5	5173732 ★	ADN-S-6-5-I-A	8080597	ADN-S-6-5-A-A
	10	5173733 ★	ADN-S-6-10-I-A	8080595	ADN-S-6-10-A-A
10mm	Without position sensing				
	5	4887523 ★	ADN-S-10-5-I	8080589	ADN-S-10-5-A
	10	4887524 ★	ADN-S-10-10-I	8080588	ADN-S-10-10-A
	With position sensing				
	5	5177082 ★	ADN-S-10-5-I-A	8080587	ADN-S-10-5-A-A
	10	5177085 ★	ADN-S-10-10-I-A	8080590	ADN-S-10-10-A-A
AEN-S [Single-acting]					
6mm	Without position sensing				
	5	4984929 ★	AEN-S-6-5-I	8080593	AEN-S-6-5-A
	10	4984930 ★	AEN-S-6-10-I	8080594	AEN-S-6-10-A
	With position sensing				
	5	5267300 ★	AEN-S-6-5-I-A	8080591	AEN-S-6-5-A-A
	10	5267301 ★	AEN-S-6-10-I-A	8080592	AEN-S-6-10-A-A
10mm	Without position sensing				
	5	4891759 ★	AEN-S-10-5-I	8080583	AEN-S-10-5-A
	10	4891760 ★	AEN-S-10-10-I	8080586	AEN-S-10-10-A
	With position sensing				
	5	5269268 ★	AEN-S-10-5-I-A	8080584	AEN-S-10-5-A-A
	10	5269269 ★	AEN-S-10-10-I-A	8080585	AEN-S-10-10-A-A

Compact valves - VUVG-LK/BK [24V DC]



In-line valves - LK

Con- ec- tion size	Width [mm]	Part No	Description 	Part No	Description 	Flow rate
With electrical sub-base R8 [3-pin]				With electrical sub-base H2 [2-pin]		
2 x 3/2-way with solenoid coil, normally closed, pneumatic spring 24V DC						
M5	10	8042542 	VUVG-LK10-T32C-AT-M5-1R8L-S	8042538 	VUVG-LK10-T32C-AT-M5-1H2L-S	180 l/min
M7	10	8042550 	VUVG-LK10-T32C-AT-M7-1R8L-S	8042546 	VUVG-LK10-T32C-AT-M7-1H2L-S	280 l/min
G1/8	14	8042566 	VUVG-LK14-T32C-AT-G18-1R8L-S	8042562 	VUVG-LK14-T32C-AT-G18-1H2L-S	570 l/min
5/2-way with solenoid coil single solenoid 24V DC						
M5	10	8042543 	VUVG-LK10-M52-AT-M5-1R8L-S	8042539 	VUVG-LK10-M52-AT-M5-1H2L-S	195 l/min
M7	10	8042551 	VUVG-LK10-M52-AT-M7-1R8L-S	8042547 	VUVG-LK10-M52-AT-M7-1H2L-S	340 l/min
G1/8	14	8042567 	VUVG-LK14-M52-AT-G18-1R8L-S	8042563 	VUVG-LK14-M52-AT-G18-1H2L-S	660 l/min
5/2-way with solenoid coil double solenoid 24V DC						
M5	10	8042544 	VUVG-LK10-B52-T-M5-1R8L-S	8042540 	VUVG-LK10-B52-T-M5-1H2L-S	195 l/min
M7	10	8042552 	VUVG-LK10-B52-T-M7-1R8L-S	8042548 	VUVG-LK10-B52-T-M7-1H2L-S	340 l/min
G1/8	14	8042568 	VUVG-LK14-B52-T-G18-1R8L-S	8042564 	VUVG-LK14-B52-T-G18-1H2L-S	660 l/min

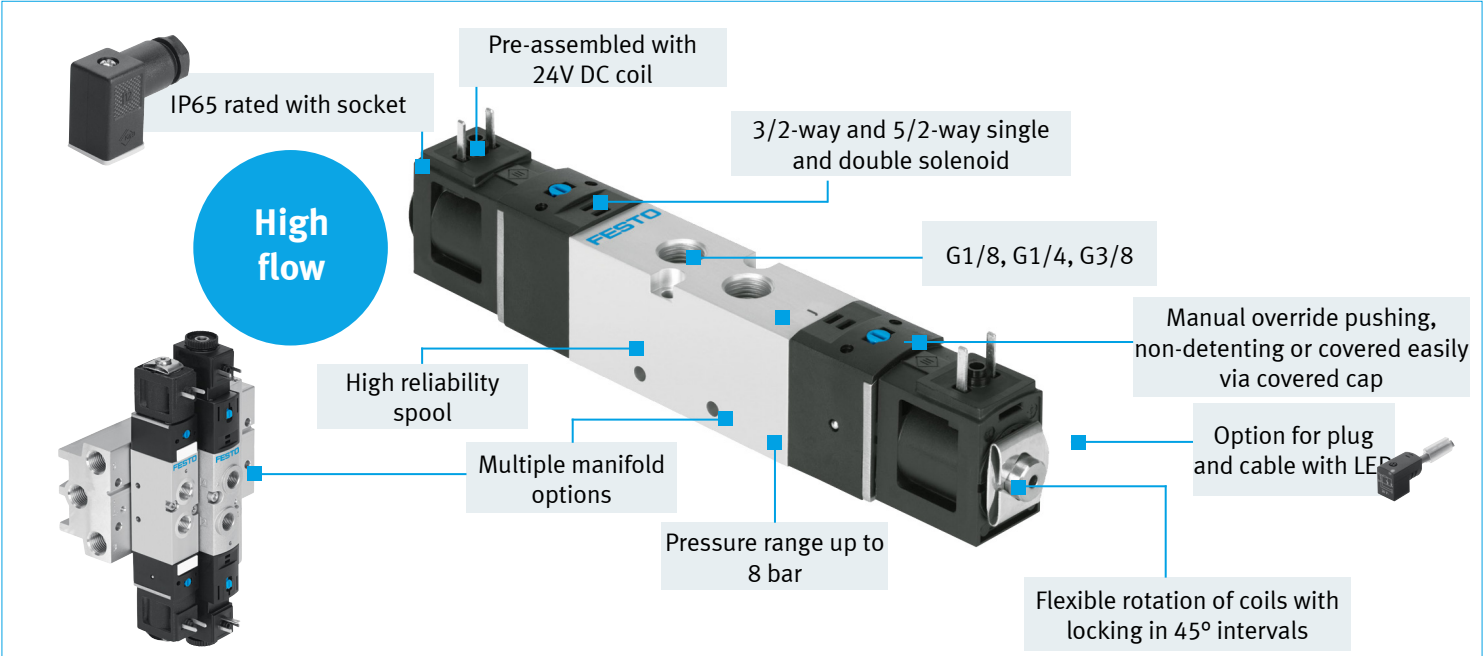
Sub-base valves - BK (connection via supply manifold)

Connection size	Width [mm]	Part No	Description	Part No	Description	Flow rate
With electrical sub-base R8 [3-pin]				With electrical sub-base H2 [2-pin]		
2 x 3/2-way with solenoid coil, normally closed, pneumatic spring 24V DC						
M5/M7	10	8042558 ★	VUVG-BK10-T32C-AT-F-1R8L-S	8042554 ★	VUVG-BK10-T32C-AT-F-1H2L-S	160 l/min
G1/8	14	8042574 ★	VUVG-BK14-T32C-AT-F-1R8L-S	8042570 ★	VUVG-BK14-T32C-AT-F-1H2L-S	350 l/min
5/2-way with solenoid coil single solenoid 24V DC						
M5/M7	10	8042559 ★	VUVG-BK10-M52-AT-F-1R8L-S	8042555 ★	VUVG-BK10-M52-AT-F-1H2L-S	160 l/min
G1/8	14	8042575 ★	VUVG-BK14-M52-AT-F-1R8L-S	8042571 ★	VUVG-BK14-M52-AT-F-1H2L-S	380 l/min
5/2-way with solenoid coil double solenoid 24V DC						
M5/M7	10	8042560 ★	VUVG-BK10-B52-T-F-1R8L-S	8042556 ★	VUVG-BK10-B52-T-F-1H2L-S	160 l/min
G1/8	14	8042576 ★	VUVG-BK14-B52-T-F-1R8L-S	8042572 ★	VUVG-BK14-B52-T-F-1H2L-S	380 l/min

Electrical connections					
H2	Plug socket with cable, 2.5 m length	566656 ★	NEBV-H1G2-KN-2.5-N-LE2		
R8	M8 cable, 3-pin open end, 2.5 m length	541338 ★	NEBU-M8W3-K-2.5-LE3		

**Accessories:**  
Manifold options including pre-assembled with valves via 572230 VTUG-S

High flow valves - VUVS-LK [24V DC]



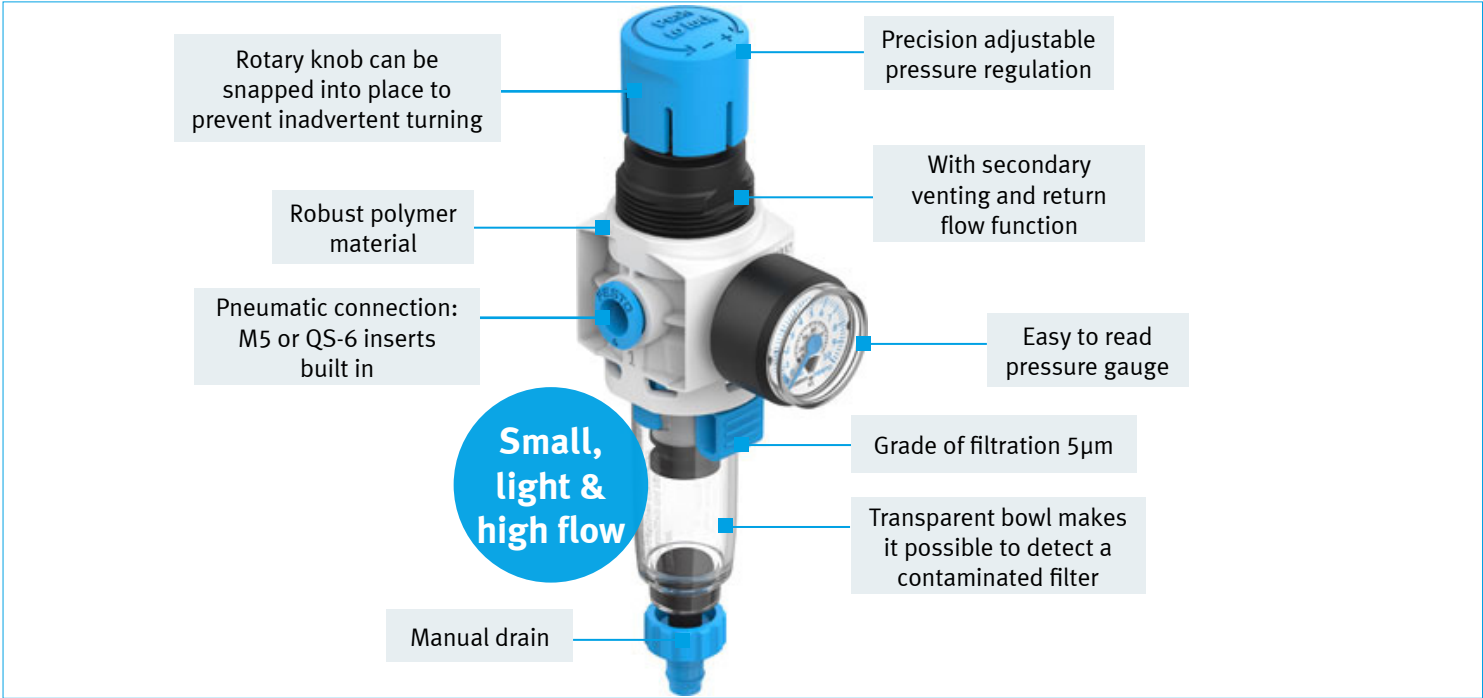
In-line valves - LK

Connection size	G1/8	G1/4	G3/8
Valve width [mm]	20	25	30
Flow rate l/min	550	1,000	1,600
Temperature range [°C]	-5 ... +50		
Operating voltage	24V DC		
3/2-way valve	8043213 ★ VUVS-LK20-M32C-AD-G18-1C1-S	8043217 ★ VUVS-LK25-M52-AD-G14-1B2-S	8049880 ★ VUVS-LK30-M32C-AD-G38-1B2-S
5/2-way valve single solenoid	8043214 ★ VUVS-LK20-M52-AD-G18-1C1-S	8043218 ★ VUVS-LK25-M52-AD-G14-1B2-S	8049881 ★ VUVS-LK30-M52-AD-G38-1B2-S
5/2-way valve double solenoid	8043215 ★ VUVS-LK20-B52-D-G18-1C1-S	8043219 ★ VUVS-LK25-B52-D-G14-1B2-S	8049882 ★ VUVS-LK30-B52-D-G38-1B2-S
Plug socket	151687 ★ MSSD-EB	34431 ★ MSSD-F	34431 ★ MSSD-F
Plug socket with cable 2.5m length	151688 ★ KMEB-1-24-2,5-LED	30935 ★ KMF-1-24DC-2,5-LED	30935 ★ KMF-1-24DC-2,5-LED
Plug socket with cable 5m length	151689 ★ KMEB-1-24-5-LED	30937 ★ KMF-1-24DC-5-LED	30937 ★ KMF-1-24DC-5-LED

Manifold - Compact manifold block VABM with gaskets and screws included			
3/2 - 2 position	576465 ★	8026297 ★	8026413 ★
3/2 - 4 position	576467 ★	8026299 ★	8026415 ★
3/2 - 6 position	576469 ★	8026301 ★	8026417 ★
3/2 - 8 position	576471 ★	8026303 ★	8026419 ★
3/2 - 10 position	576473 ★	8026305 ★	8026421 ★
5/2 - 2 position	576417 ★	8026261 ★	8026377 ★
5/2 - 4 position	576419 ★	8026263 ★	8026379 ★
5/2 - 6 position	576421 ★	8026265 ★	8026381 ★
5/2 - 8 position	576423 ★	8026267 ★	8026383 ★
5/2 - 10 position	576425 ★	8026269 ★	8026385 ★
Screw set	8069876 ★	8068789 ★	8068790 ★

Please refer to the online catalog → [www.festo.com/catalog/vuvs-lk](http://www.festo.com/catalog/vuvs-lk)

Regulators/Filter regulators - MS2-LR/LFR



Regulator						
Product Image	Type	Size	Part No	Description	Flow rate	Weight
	Pressure regulation range 0.5 ... 7 bar, rotary knob with detent [Bar/psi]					
	MS2-LR	M5	8086628 ★	MS2-LR-M5-D6-AR-BAR-B	170 l/min	39.8 g
	MS2-LR	QS-6	8086638 ★	MS2-LR-QS6-D6-AR-BAR-B	350 l/min	36.6 g
	With pressure gauge, display unit [MPa]					
	MS2-LR	M5	8086636	MS2-LR-M5-D6-AR-MPA-B	170 l/min	39.8 g
	MS2-LR	QS-6	8086639	MS2-LR-QS6-D6-AR-MPA-B	350 l/min	36.6 g
	With adapter for EN pressure gauge 1/8, without pressure gauge					
	MS2-LR	M5	8086637 ★	MS2-LR-M5-D6-A8-B	250 l/min	34.8 g
	MS2-LR	QS-6	8086640 ★	MS2-LR-QS6-D6-A8-B	350 l/min	31.6 g


Filter Regulator						
Product Image	Type	Size	Part No	Description	Flow rate	Weight
	Pressure regulation range 0.5 ... 7 bar, rotary knob with detent with manual condensate drain, 5µm [Bar/psi]					
	MS2-LFR	M5	8086641 ★	MS2-LFR-M5-D6-AR-BAR-C-M-B	140 l/min	47.3 g
	MS2-LFR	QS-6	8086644 ★	MS2-LFR-QS6-D6-AR-BAR-C-M-B	310 l/min	45 g
	With pressure gauge, display unit [MPa]					
	MS2-LFR	M5	8086642	MS2-LFR-M5-D6-AR-MPA-C-M-B	140 l/min	47.3 g
	MS2-LFR	QS-6	8086645	MS2-LFR-QS6-D6-AR-MPA-C-M-B	310 l/min	45 g
	With adapter for EN pressure gauge 1/8, without pressure gauge					
	MS2-LFR	M5	8086643 ★	MS2-LFR-M5-D6-A8-C-M-B	140 l/min	42.3 g
	MS2-LFR	QS-6	8086646 ★	MS2-LFR-QS6-D6-A8-C-M-B	310 l/min	40 g

Accessories		
Type	Part No	Description
Filter cartridge 5µm	526818	LFP-D-MICRO-5M
Wall bracket	8087978 ★	MS2-WR
Knurled nut	8098037 ★	MS2-WRS



Please refer to the online catalog → [www.festo.com/catalog/ms2](http://www.festo.com/catalog/ms2)

Polyurethane tubing - PUN-H



Versatile!

- Sizes 2mm OD up to 16mm OD
- Highly flexible tubing
- Resistant to hydrolysis and microbes
- UV-resistant
- Food-safe
- FDA-listed material
- Kink-resistant
- Red, green and yellow tube also available
- DUO tube available in Blue & Black

PUN-H - Versatile range of solid colors								
OD	Packed length	Packaging Material	Blue	Black	Silver	Red	Green	Yellow
2mm	50m	Box		133039		133040		
3mm	50m	Box	197382	197389	558277	558284	558291	558298
	500m	Spool	558256	558249	558270			
4mm	50m	Box	197383★	197390★	558278★	558285	558292	558299
	500m	Spool	558257☆	558250☆	558271☆			
6mm	50m	Box	197384★	197391★	558279★	558286	558293	558300
	500m	Spool	558258☆	558251☆	558272☆			
8mm	50m	Box	197385★	197392★	558280★	558287	558294	558301
	400m	Spool	558259☆	558252☆	558273☆			
10mm	50m	Box	197386★	197393★	558281★	558288	558295	558302
	300m	Spool	558260☆	558253☆	558274☆			
12mm	50m	Box	197387★	197394★	558282★	558289	558296	558303
	200m	Spool	558261☆	558254☆	558275☆			
14mm	50m	Box	570386	570387				
16mm	50m	Box	197388	197395	558283	558290	558297	558304
	100m	Spool	558262	558255	558276			
1/8 in	150ft	Box	567945★	567953★	567937★		567977	
5/32 in	150ft	Box	567946★	567954*★				
3/16 in	150ft	Box	567947	567955			567979	567971
1/4 in	150ft	Box	567948*★	567956*★	567940*★	567988	567980	567972
5/16 in	150ft	Box	567949★	567957★				
3/8 in	150ft	Box	567950*★	567958*★	567942★	567990	567982	567974
1/2 in	150ft	Box	567951★	567959★	567943★	567991	567983	567975
5/8 in	150ft	Box	567952	568008		567992	567984	567976

\*Also available in bulk quantities on reels.  
**NOTE:** Additional materials, sizes and colors are also available. Please contact Festo.

- ★ Ready for dispatch from the Festo factory in 24 hours
- ☆ Ready for dispatch from the Festo factory in 5 days

Polyurethane tubing - PUN-H

Packaging modes:



Spool

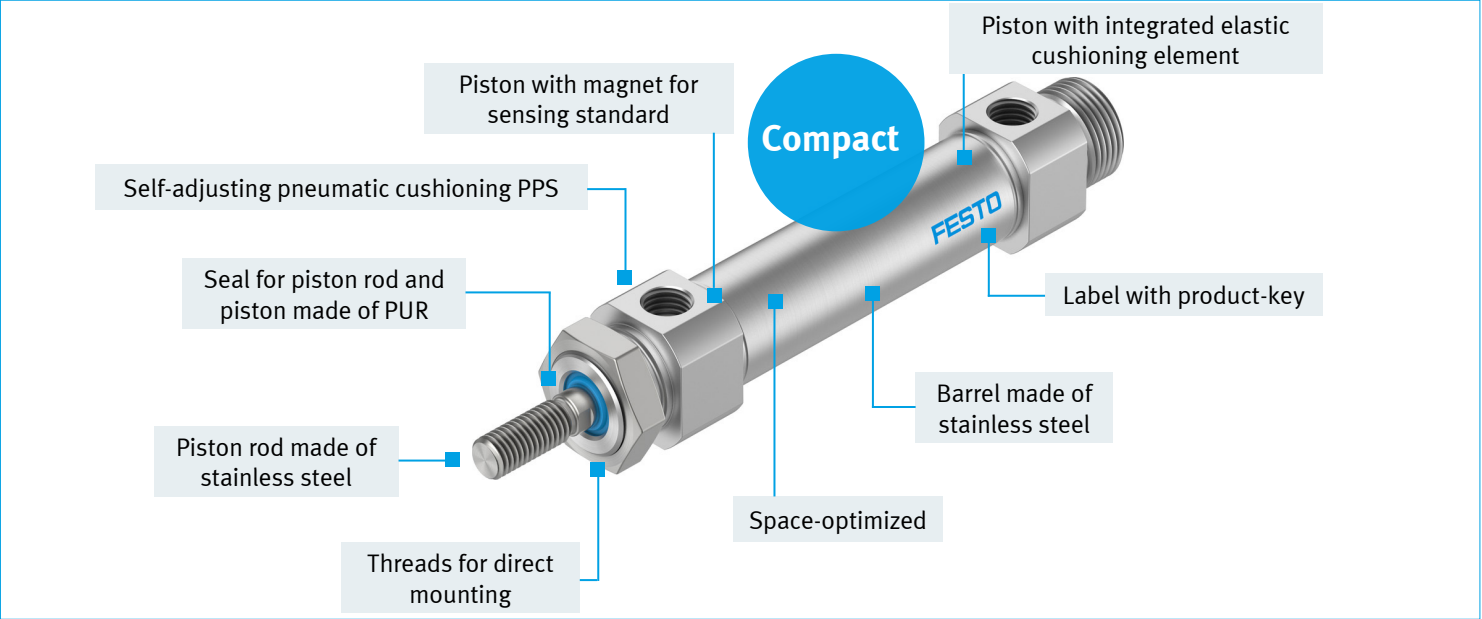


Box

PUN-H - Easy to detect oil, moisture in the line!								
OD	Packed length	Packaging Material	Natural (Clear)	Translucent blue	Translucent black	Translucent red	Translucent green	Translucent yellow
2mm	50m	Box	133038					
3mm	50m	Box	197375					
	500m	Spool	558263					
4mm	50m	Box	197376★	8048671★	8048673★	8048675	8048677	8048679
	500m	Spool	558264☆	8048672☆	8048674☆			
6mm	50m	Box	197377★	8048681★	8048683★	8048685	8048687	8048689
	500m	Spool	558265☆	8048682☆	8048684☆			
8mm	50m	Box	197378★	8048691★	8048693★	8048695	8048697	8048699
	400m	Spool	558266☆	8048692☆	8048694☆			
10mm	50m	Box	197379★	8048701★	8048703★	8048705	8048707	8048709
	300m	Spool	558267☆	8048702☆	8048704☆			
12mm	50m	Box	197380★	8048711★	8048713★	8048715	8048717	8048719
	200m	Spool	558268☆	8048712☆	8048714☆			
14mm	50m	Box	570388					
16mm	50m	Box	197381					
	100m	Spool	558269					
1/8 in	150ft	Box	567961★					
5/32 in	150ft	Box						
3/16 in	150ft	Box	567963					
1/4 in	150ft	Box	567964*★	13121063★				
5/16 in	150ft	Box	567965*★					
3/8 in	150ft	Box	567966*★	13121062★				
1/2 in	150ft	Box	567967★	13124064★				
5/8 in	150ft	Box						

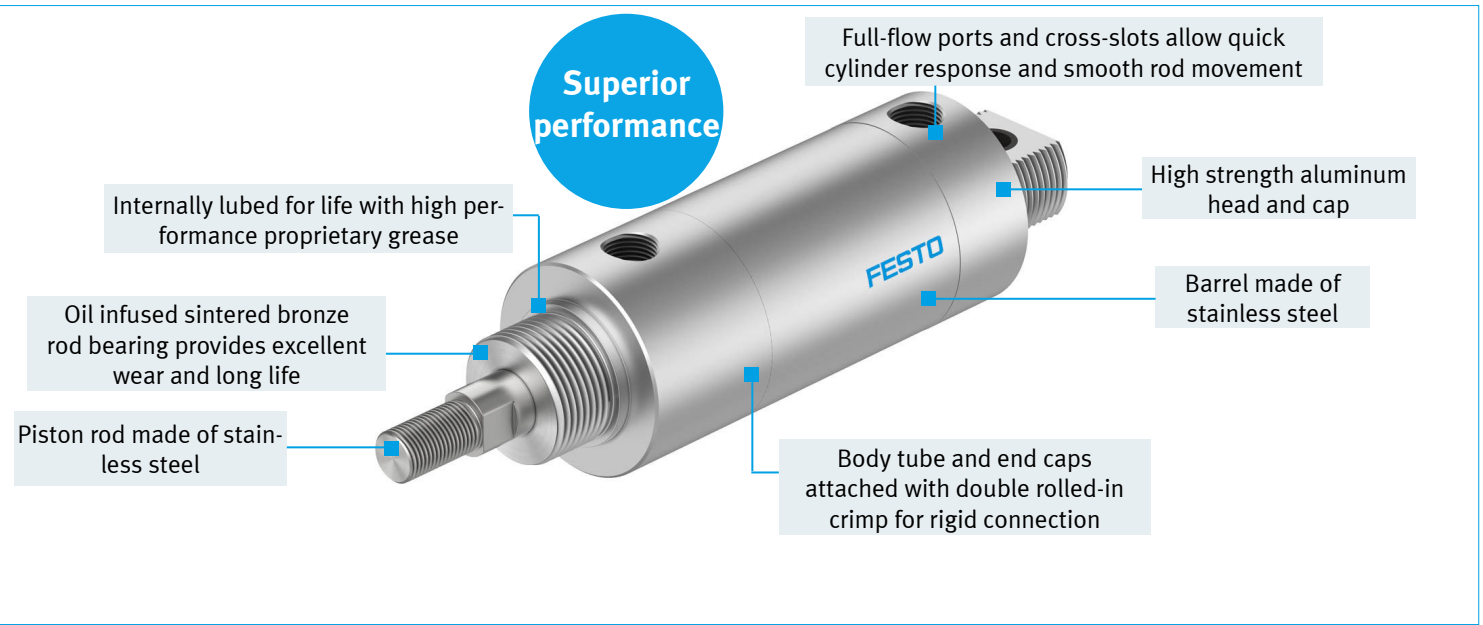
\*Also available in bulk quantities on reels.  
**NOTE:** Additional materials, sizes and colors are also available. Please contact Festo.

Round cylinder - DSNU-S



Piston	8	12	16	20	25	16	20	25
	Cushioning - P Position sensing - A					Cushioning - PPS Position sensing - A		
Stroke [mm]								
10	5205897 ★	5211896 ★	5216087 ★	5224633 ★	5228227 ★			
15	5205898 ★	5211897 ★	5216088 ★	5224634 ★	5228228 ★			
20	5205899 ★	5211898 ★	5216089 ★	5224635 ★	5228229 ★			
25	5205900 ★	5211899 ★	5216090 ★	5224637 ★	5228230 ★	5217238 ★	5225836 ★	5228452 ★
30	5205902 ★	5211900 ★	5216091 ★	5224639 ★	5228231 ★	5217239 ★	5225837 ★	5228453 ★
40	5205903 ★	5211901 ★	5216093 ★	5224641 ★	5228232 ★	5217240 ★	5225838 ★	5228454 ★
50	5205904 ★	5211903 ★	5216094 ★	5224642 ★	5228233 ★	5217241 ★	5225839 ★	5228455 ★
60	5205905 ★	5211904 ★	5216095 ★	5224643 ★	5228234 ★	5217242 ★	5225840 ★	5228456 ★
80	5205906 ★	5211905 ★	5216096 ★	5224644 ★	5228235 ★	5217243 ★	5225841 ★	5228457 ★
100	5205907 ★	5211906 ★	5216098 ★	5224645 ★	5228236 ★	5217244 ★	5225842 ★	5228458 ★
125		5211908 ★	5216099 ★	5224645 ★	5228237 ★	5217245 ★	5225843 ★	5228459 ★
150		5211909 ★	5216100 ★	5224646 ★	5228238 ★	5217246 ★	5225844 ★	5228460 ★
200			5216101 ★	5224647 ★	5228239 ★	5217248 ★	5225846 ★	5228461 ★

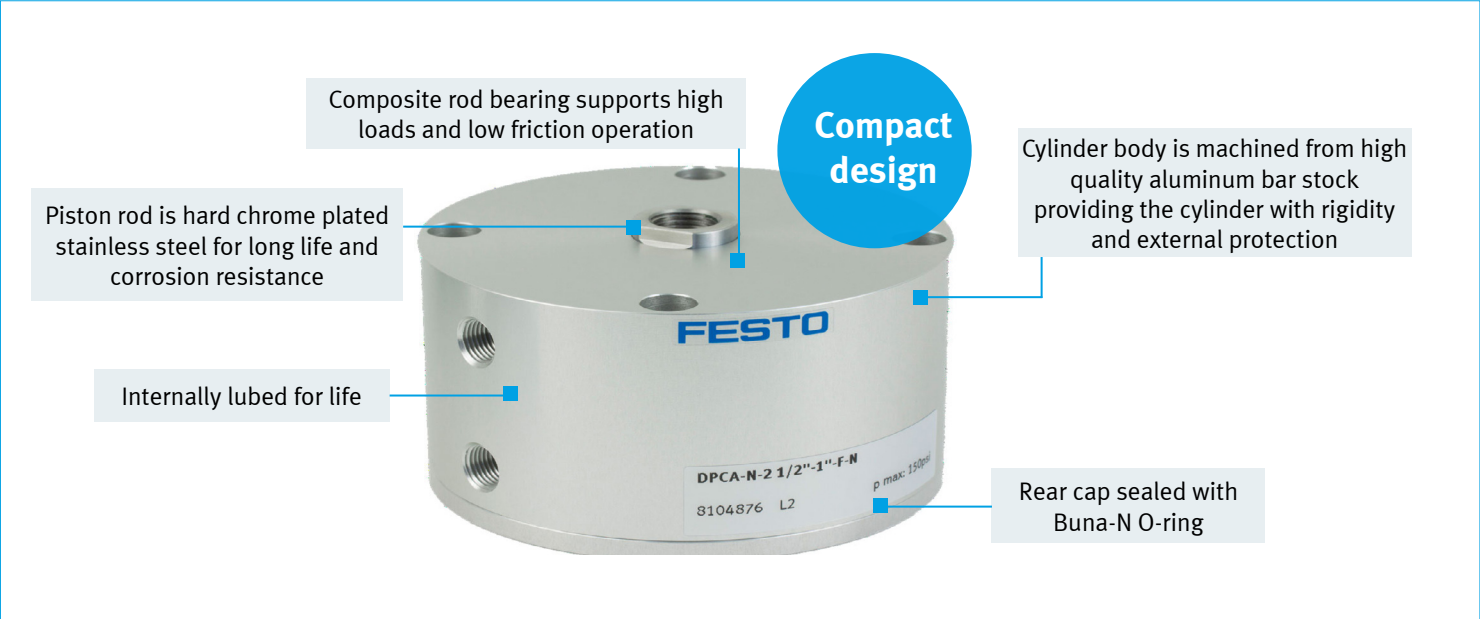
Interchangeable inch round air cylinder - DPRA











Piston diameter [in]	3/4	1 1/16	1 1/4	1 1/2	1 3/4	2	2 1/2	Code
Part No.	8109549 ★	8109550 ★	8109551 ★	8109552 ★	8109553 ★	8109554 ★	8109555 ★	
Function	Round cylinder							DPRA
Stroke	0.0625 ... 12"							-"
Function	Double-acting							
Piston rod type	At one end							
	Through piston rod				-	Through piston rod	-	T
Compressed air supply port	Lateral							
	Axial							P4
Cushioning	No cushioning							-N
	Flexible cushioning rings/pads at both ends							-P
Position sensing	Without							
	For proximity switch							A
Temperature range	Standard							
	+32 ... +300 °F							T4
Piston rod extension	Without							
	0 ... 6 inch							-...NE
Piston rod thread extension	Without							
	0 ... 6 inch							-...NL

- Choice of mounting styles:
- Mounting thread
  - Rear swivel
  - Trunnion flange
  - Block mount

Solid aluminum inch compact cylinder - DPCA











Piston diameter [in]	1/2	3/4	1 1/8	1 5/8	2	2 1/2	3	4	Code
Part No.	8104871 	8104872 	8104873 	8104874 	8104875 	8104876 	8104877 	8104878 	
Function	Compact cylinder								DPCA
System of units	Metric								
	Inch								-N
Anti-twist protection	Without								
	-	With anti-twist protection							-Q
Running characteristics	Standard								
	Additional PTFE piston guide								L4
Stroke	Up to 4”								
Stroke adjustment	Without								
	-	-	Advancing/front						
Piston rod type	At one end								
	Through, hollow piston rod								H
	Through piston rod								T
Piston rod thread type	External thread								
	Internal thread								F
Position sensing	Without								
	For proximity switch								A
Scraper variant	None								
	Increased chemical resistance								-A1

- Additional options:
- Mounting (swivel clevis, rod eye)
  - Cushioning (bumpers)

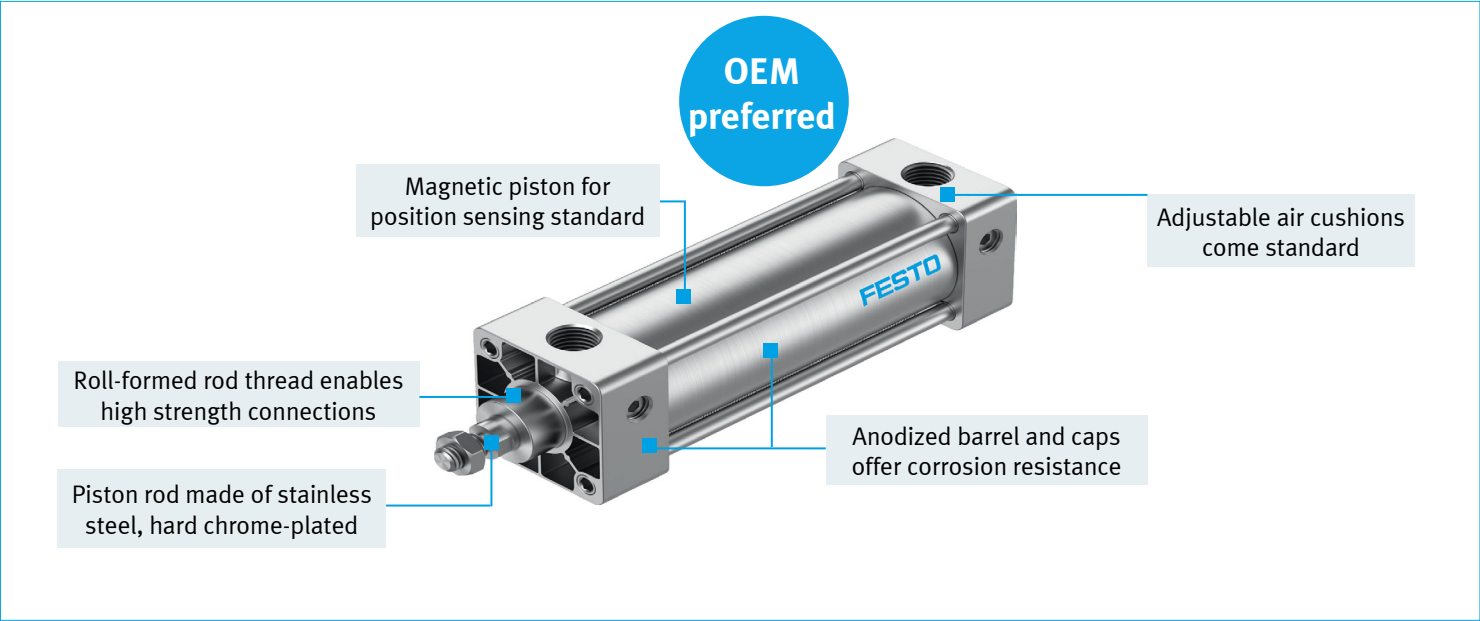
Interchangeable inch compact cylinder - DPCB



Piston diameter [in]	1/2	3/4	1 1/16	1 1/2	2	2 1/2	3	4	Code
Part No.	8104879 	8104880 	8104881 	8104882 	8104883 	8104884 	8104885 	8104886 	
Function	Compact cylinder								DPCB
Anti-twist protection	Without								
	-	With double piston rod				-	-	-	-QP
Running characteristics	Standard								
	Low friction								L
Stroke	Up to 4"								
Piston rod type	At one end								
	Through, hollow piston rod								H
	Through piston rod								T
Piston rod design	One end plate								
	One end plate with recess and through-hole								J1
	One end plate, rotated 90°								J90
	One end plate with recess and through-hole, rotated 90°								J91
Piston rod thread type	External thread								
	Internal thread								F
	No thread								N
Position sensing	Without								
	For proximity switch								A
Temperature range									
	40... +176°F								-T3
Scraper variant	None								
	Increased chemical resistance								-A1
	Scraper made of NBR								-A4

- Additional options:
- Mounting (threads, through holes, swivel, trunnion)
  - Cushioning (bumpers)

## NFPA interchange cylinder - DSNA



Piston diameter [in]	1 1/2	2	2 1/2	3 1/4	4	Code
Part No.	8117043 ☆	8117044 ☆	8117045 ☆	8117046 ☆	8117047 ☆	
Function	Standards-based cylinder, double-acting					DSNA
System of units	Imperial					-N
Stroke	0.25 ... 48"					-..."
Piston rod type	At one end					
	Through piston rod					-T
Cushioning	Pneumatic cushioning, adjustable at both ends					-PPV
Position sensing	For proximity switch					A
Standard	Conforms to ANSI/NFPA					-N5
Type of mounting	Flange plate, bearing cap					-MF1
	Flange plate, end cap					-MF2
	Swivel bearing					-MP1
	Swivel mounting					-MP2
	Foot mounting					-MS1
	Direct mounting					-MS4
Seal material	Detachable eye mount					-MP4
	Mid trunnion					-MT4
	Extended tie rods, rear					-MX2
	Extended tie rods, front					-MX3
	Standard					
	Viton					-T2

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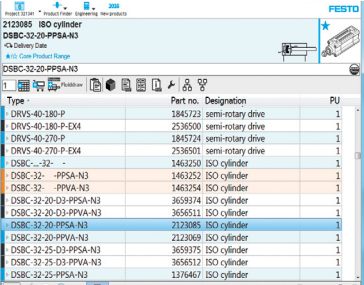
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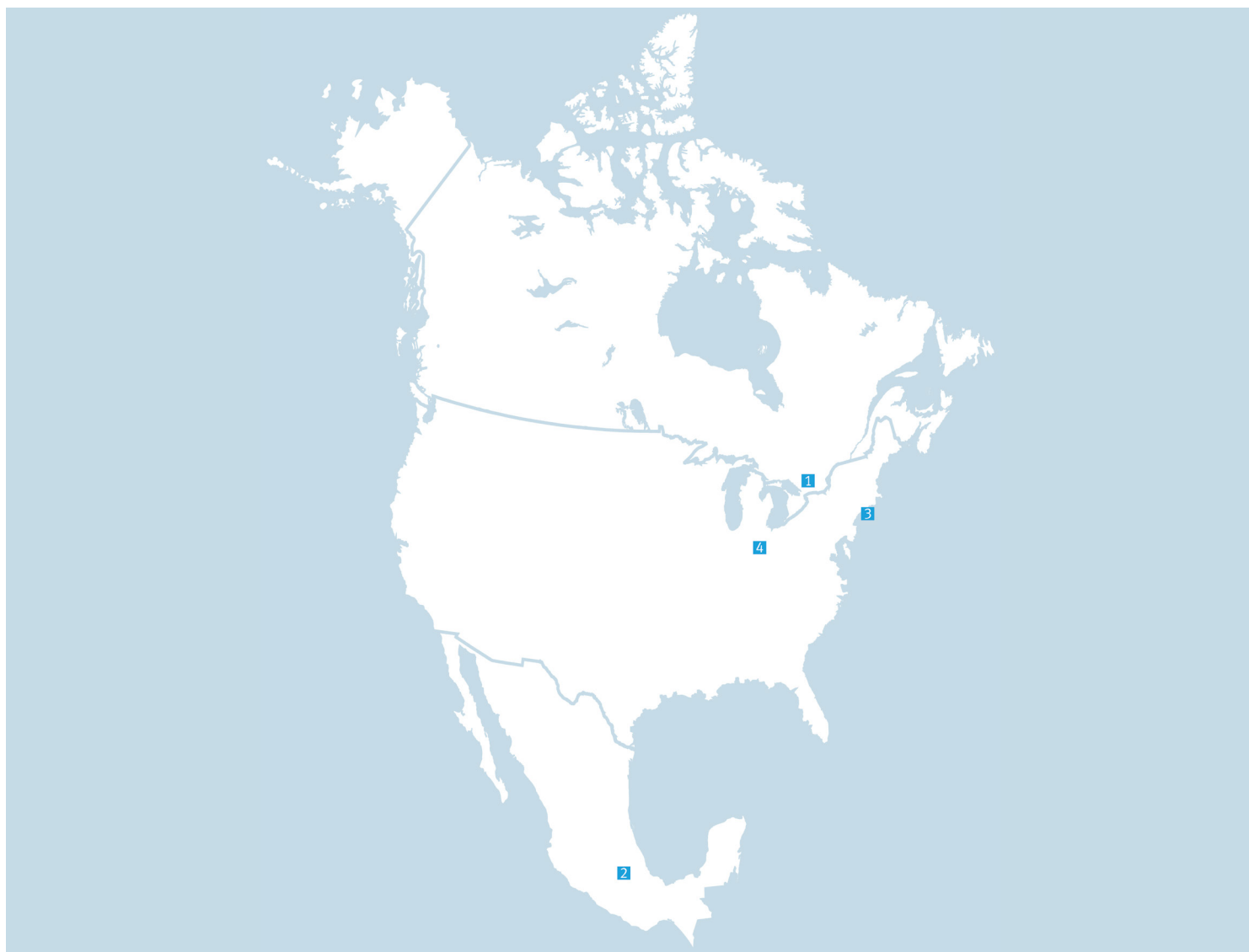


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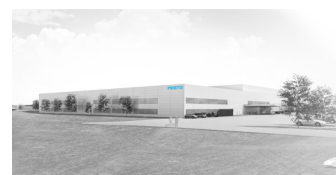


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