

Vane actuators provide the maximum amount of output torque from the smallest possible envelope size. They convert pneumatic pressure into rotary motion for a wide variety of industrial applications.

Two basic styles are available. Single vane models with a maximum rotation of 280°, while the double vane units produce twice the torque output from identical envelope dimensions and have a maximum rotation of 100°.

- Double acting actuators
- Single or double vane
- Compact smooth design
- Uniform torque in both directions
- Angle adjustment and sensors available.



Operating information

Type	Double acting actuation	
Standard rotation (tolerance $\pm 1^\circ$)	Single vane	0 to 275°, size 10 to 11 0 to 280°, size 22 to 23
	Double vane	0 to 95°, size 10 to 11 0 to 100°, size 22 to 23
Temperature	-10°C to +80°C	
Air supply	Lubricated or non-lubricated	
Pressure range	2 to 10 bar max	

Basic Unit

Size	Max.rotation	Type	Shaft	Order code.
10	275°	Single	Not through rod	6V5100010F-275
	95°	Double		6V5100010F-095
11	275°	Single	Not through rod	6V5200010F-275
	95°	Double		6V5200010F-095
22	280°	Single	Through rod	6V1300030F-280
	100°	Double		6V1300030F-100
33	280°	Single	Through rod	6V2400030F-280
	100°	Double		6V2400030F-100

Angle adjustment and sensor kits

Size	Options	Order code.
22	Angle adjustment kit	6V03570
	Angle adjustment kit with sensors PNP	6V03575
	Angle adjustment kit with sensors NPN	6V03576
33	Angle adjustment Kit	6V04570
	Angle adjustment kit with sensors PNP	6V04575
	Angle adjustment kit with sensors NPN	6V04576

Complete with angle adjustment and sensors

Size	Max.rotation	Type	Shaft	Order code.
22	220°	Single	Angle adjustment kit	6V1357630F-220
	100°	Double	Angle adjustment kit	6V1357730F-100
	220°	Single	As above + PNP Sensors + plug	6V1357635F-220
	100°	Double	As above + PNP Sensors + plug	6V1357735F-100
	220°	Single	As above + NPN Sensors + plug	6V1357636F-220
	100°	Double	As above + NPN Sensors + plug	6V1357736F-100
33	220°	Single	Angle adjustment kit	6V2457630F-220
	100°	Double	Angle adjustment kit	6V2457730F-100
	220°	Single	As above + PNP Sensors + plug	6V2457635F-220
	100°	Double	As above + PNP Sensors + plug	6V2457735F-100
	220°	Single	As above + NPN Sensors + plug	6V2457636F-220
	100°	Double	As above + NPN Sensors + plug	6V2457736F-100