



Product Range

**For Cleanroom ISO Class 6
(FS209E class 1000)**

Table of content

Drives

Drives for cleanroom ISO Class 6 (FS209E class 1000)

	Type	Function	Piston Ø (mm)	Stroke (mm)	Variant	Cleanroom Class	Page
	ADVC	Compact cylinder	6, 10, 12, 16, 20, 25, 32	5...25	P-A: External rod thread A-P-A: Internal rod thread	ISO 6 (FS209E class 1000)	Refer to xDKI
	ADVU	Compact cylinder	16, 20, 25, 32, 40, 50	5...100 5...200	P-A: External rod thread A-P-A: Internal rod thread	ISO 6 (FS209E class 1000)	Refer to xDKI
	ADN	Compact cylinder	12, 16, 20, 25, 32, 40, 50	1...300 1...400	A-P-A: External rod thread I-P-A: Internal rod thread	ISO 6 (FS209E class 1000)	Refer to xDKI
	CDN	ISO standard, double acting cylinder	32, 40, 50	10...500	PPV: Adj. cushioning PPV-A: Adj. cushioning and magnetic sensing	ISO 6 (FS209E class 1000)	Refer to xDKI
	DFC	Compact guided drive	6, 10	5...30	KF: With recirculating ball bearing guide	ISO 6 (FS209E class 1000)	Refer to xDKI
	DFM	Guided drive	12, 16, 20, 25, 32	10...200	KF: With recirculating ball bearing guide	ISO 6 (FS209E class 1000)	Refer to xDKI
	DMM	Multimount cylinder	10, 16, 20, 25, 32	5...50	P-A: With damping and magnetic sensing	ISO 6 (FS209E class 1000)	Refer to xDKI
	DNC	ISO standard, double acting cylinder	32, 40, 50	10...500	P-A: External rod thread A-P-A: Internal rod thread	ISO 6 (FS209E class 1000)	Refer to xDKI

Table of content

Drives

Drives for cleanroom ISO Class 6 (FS209E class 1000)

	Type	Function	Piston Ø (mm)	Stroke (mm)	Variant	Cleanroom Class	Page
	DSNU	ISO standard, double acting cylinder	8, 10 12, 16 20 25	10...100 10...200 10...320 10...500	P-A: Damping & magnetic sensing PPV-A: Adj. cushioning & magnetic sensing	ISO 6 (FS209E class 1000)	Refer to xDKI
	DRQD	Rotary actuator	6, 8, 12, 16, 20, 25, 32	90°, 180°, 360°	PPV: Adj. cushioning YSRJ: Hydraulic cushioning AL, AR: air on left or right	ISO 6 (FS209E class 1000)	Refer to xDKI
	DSM	Swivel actuator	12, 16, 25, 32, 40	0...270°	Standard: With spigot shaft FW: With flanged shaft	ISO 6 (FS209E class 1000)	Refer to xDKI
	DHTG	Rotary indexing table	65, 90 140, 220	stations 2, 3, 4, 6, 8, 12, 24 stations 3, 4, 6, 8, 12, 24	-	ISO 6 (FS209E class 1000)	Refer to xDKI
	EV	Single acting clamping module	12, 16, 20, 25, 32, 40, 50, 63	3, 4, 5	-	ISO 6 (FS209E class 1000)	Refer to xDKI
	DGC-KF	Linear drive	8, 12, 18, 25, 32, 40, 50, 63	1...8500	with recirculating ball bearing guide	ISO 6 (FS209E class 1000)	Refer to xDKI
	SLG	Mini slide rodless	8, 12, 18	100...700	P-A: With damping and magnetic sensing	ISO 6 (FS209E class 1000)	Refer to xDKI
	SLF	Mini slide double acting	6, 10, 16	10...50	YSR: Hydraulic shock absorbers in both ends	ISO 6 (FS209E class 1000)	Refer to xDKI

Table of content

Drives

Drives for cleanroom ISO Class 6 (FS209E class 1000)

	Type	Function	Piston Ø (mm)	Stroke (mm)	Variant	Cleanroom Class	Page
	SLS	Mini slide double acting	6, 10, 16	5...30	P-A: With dampign and magnetic sensing	ISO 6 (FS209E class 1000)	Refer to xDKI
	SLT	Mini slide double acting	6, 10, 16, 20, 25	10...200	P-A: With dampign and magnetic sensing P-A-CC: With shock absorbers	ISO 6 (FS209E class 1000)	Refer to xDKI
	DGSL	Mini slide	4, 6, 8, 10, 12, 16, 20, 25	10...200	P: elastic cushioning without metal end position P1: elastic cushioning with metal end position Y3: progressive shock absorber E: Elastic cushioning without metal end position, short design	ISO 6 (FS209E class 1000)	Refer to xDKI
	EGC-TB-KF	Toothed belt axes	50, 70, 80, 120, 185	50...8500	KF: Recirculating ball bearing	ISO 6 (FS209E class 1000)	Refer to xDKI
	EGC-BS-TF	Spindle axes	70, 80, 120, 185	50...3000	KF: Recirculating ball bearing	ISO 6 (FS209E class 1000)	Refer to xDKI
	ERMB	Rotary modules electric	20, 25, 32	-	-	ISO 6 (FS209E class 1000)	Refer to xDKI
	EGSK	Electric slides	15 20 26 33 46	25...100 25...125 50...200 100...630 200...840	--: Standard H: High accuracy P: Precision design	ISO 6 (FS209E class 1000)	Refer to xDKI

Table of content

Drives

Drives for cleanroom ISO Class 6 (FS209E class 1000)

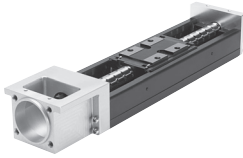

	Type	Function	Piston Ø (mm)	Stroke (mm)	Variant	Cleanroom Class	Page
	EGSP	Electric slides	20 26 33 46	25...125 50...200 100...630 200...840	--: Standard H: High accuracy P: Precision design	ISO 6 (FS209E class 1000)	Refer to xDKI
	HGPC	Parallel gripper	12, 16, 20	3, 5, 7	-	ISO 6 (FS209E class 1000)	Refer to xDKI

Table of content

Valves

Valves for cleanroom ISO Class 4, 5 and 6 (FS209E class 10, 100 and 1000)

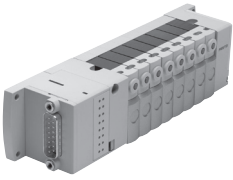
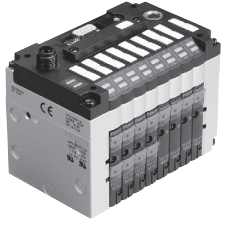
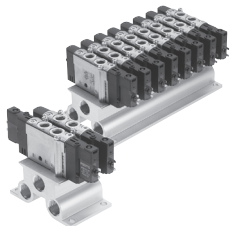
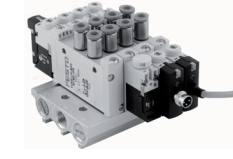
	Type	Valve function	Width (mm)	Connections	Flowrate (l/min)	Cleanroom Class	Page
	CPV-SC	2 x 3/2 way, NO 2 x 3/2 way, NC 2 x 3/2 way, NO & NC 5/2 way 5/3 way • Single solenoid • Double solenoid	10	M5	150...170	ISO 6 (FS209E class 1000)	Refer to xDKI
	CPV10	2 x 2/2 way, NC 2 x 2/2 way, NO & NC 2 x 3/2 way, NO 2 x 3/2 way, NC 2 x 3/2 way, NO & NC 5/2 way 5/3 way • Single solenoid • Double solenoid • Fast switching valve • Vacuum generator	10	Port 1, 11: G1/8 Port 3, 5: G3/8 Port 12, 14, 82, 84: M5 Port 2, 4: M7	400	ISO 6 (FS209E class 1000)	Refer to xDKI
	CPE	3/2 way 5/2 way 5/3 way • Single solenoid • Double solenoid • Individual connection • Manifold mounting	Micro 10 Mini 14	M5 G1/8	180...800	ISO 6 (FS209E class 1000)	Refer to xDKI
	VUVG	Solenoid valve	2 x 3/2 way 5/2 way 5/3 way	10 and 14	M3, M5, M7, G1/8	ISO 6 (FS209E class 1000)	Refer to xDKI

Table of content

Air preparation unit

Air preparation units for cleanroom ISO Class 4, 5 and 6 (FS209E class 10, 100 and 1000)





	Type	Features	Connections	Variant	Specifications	Cleanroom Class	Page
Filter for D-Micro series							
	LF-...-5M- Micro	5.0 µm	M5 M7 G1/8	Micro (M5, M7, G1/8)	170...280 l/min	ISO 6 (FS209E class 1000)	Refer to xDKI
Micro filter							
	LFMA LFMB LFMBA	0.01 µm 1.0 µm Combine both sizes	G1/8 G1/4 G3/8 G1/2 G3/4	MINI (1/8, 1/4, 3/8) MIDI (1/4, 3/8, 1/2, 3/4) MAXI (1/2, 3/4, 1)	130...950 l/min 250...1250 l/min 125...600 l/min	ISO 6 (FS209E class 1000)	Refer to xDKI
Manual on/off valve							
	HE	Twist knob for on/off lockable	G1/8 G1/4 G3/8 G1/2 G3/4	MINI (1/8, 1/4, 3/8) MIDI (1/4, 3/8, 1/2, 3/4) MAXI (1/2, 3/4, 1)	1000...6500 l/min	ISO 6 (FS209E class 1000)	Refer to xDKI
Branching module							
	FRZ FRM FRM-H	With or without check valve	M5 G1/8 G1/4 G3/8 G1/2 G3/4	MICRO (M5, 1/8) MINI (1/8, 1/4, 3/8) MIDI (1/4, 3/8, 1/2, 3/4) MAXI (1/2, 3/4, 1)	210...580 l/min 1300...17400 l/min	MINI (1/8, 1/4, 3/8)	

Table of content

Fitting and accessories for cleanroom ISO 6 (FS209E class 1000)

Drives for cleanroom ISO Class 6 (FS209E class 1000)

	Type	Function	Connections	Specifications	Material	Cleanroom Class	Page
Air reservoir							
	CRVZS-...	Capacity: 0.1l 0.4l 0.75l 2.0l 5.0l 10.0l	G1/8 G1/4 G1/2 G3/8 G1	Operating pressure: -0.95...+16 bar	X5 CrNi18 10	ISO 6 (FS209E class 1000)	Refer to xDKI
Tubing							
	PUN-...	Type: 3 4 6 8 10 12 16	Outside Ø: 3.0 mm 4.0 mm 6.0 mm 8.0 mm 10.0 mm 12.0 mm 16.0 mm	Inside Ø: 2.1 mm 2.6 mm 4.0 mm 5.7 mm 7.0 mm 8.0 mm 11.2 mm	Polyurethane in color: BL: Blue SW: Black	ISO 6 (FS209E class 1000)	Refer to xDKI
Fitting							
	QS-F-...	Push-in fitting range, O.D. of tube calibrated	For thread: M5 G1/8 G1/4 G3/8 G1/2	Can be connected with PUN tubing	Brass fitting, nickel plated	ISO 6 (FS209E class 1000)	Refer to xDKI
	CN-...	Barbed fitting range, I.D. of tube calibrated	For thread: M5 G1/8 G1/4 G3/8 G1/2 G3/4	Can be connected with PUN tubing	Brass Aluminum Die-cast zinc	ISO 6 (FS209E class 1000)	Refer to xDKI
	CK-...	Quick connector range, I.D. of tube calibrated	For thread: M5 G1/8 G1/4 G3/8 G1/2	Can be connected with PUN tubing	Die-cast zinc and Aluminum, blue anodised	ISO 6 (FS209E class 1000)	Refer to xDKI
Sealing Ring							
	OL-...	O-ring for sealing connection	For thread: M5 G1/8 G1/4 G3/8 G1/2	Max. tightening: 2 Nm 4 Nm 11 Nm 40 Nm 50 Nm 100 Nm	Stainless steel Aluminum NBR	ISO 6 (FS209E class 1000)	Refer to xDKI
	SDE5-D10-... SD5-V1-...	Pressure switch Vacuum switch	QS-3 QS-5 QS-6	0...10 bar -1...0 bar	Polymer	ISO 6 (FS209E class 1000)	Refer to xDKI
	VN-...	High vacuum High suction volume flow	G1/8 G1/4	-0.8 bar -0.5 bar	Polymer	ISO 6 (FS209E class 1000)	Refer to xDKI

