

Quarter turn actuator DFPD

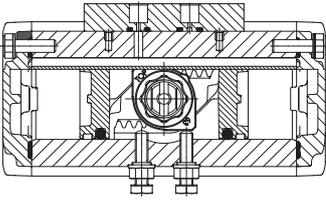
FESTO



Characteristics

At a glance

[Link](#)  [dfpd](#)



The DFPD series features a rack-and-pinion combination with a constant torque characteristic across the entire swivel range. It is available in sizes 10 to 2300. The DFPD is suitable for the automation of butterfly valves, ball valves and air dampers. It is also suitable for water/wastewater, beverage, pharmaceutical and process automation. The modular and compact design of the DFPD allows different spring configurations as a suitable solution for different applications.

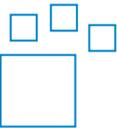
Additional documents

[Link](#)  [dfpd](#)



You will find information on the theoretical torque in the additional document DFPD_ADD.

Ordering data - modular system



Configurable product

This product and all its product options can be ordered online via the configurator.

Connection type

Connection pattern to NAMUR VDI/VDE 3845 for mounting solenoid valves, position sensors and positioners

- Standard process valve connection to ISO 5211

Swivel direction

- The modular system offers the option of closing to the left. This is done by turning the pistons

Function

[D] Double-acting

The double-acting quarter turn actuator requires compressed air for each direction of movement. In this mode of operation, the torque for opening or closing the process valve is generated purely via the compressed air.

[S] Single-acting



With the single-acting quarter turn actuator, the incoming compressed air moves the pistons in one direction. This generates the torque of the actuator. The springs built into the actuator are pre-tensioned at the same time. This spring force generates the torque in the opposite direction of rotation when the pressure chambers of the actuator are exhausted. This causes the process valve to move to the required initial position.

Closing direction

[R] Closes to the right

The modular system offers the option of closing to the left. This is done by turning the pistons

Characteristics

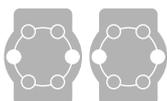
Spring ID

None

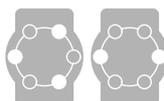
The spring force can be adapted to the system's supply pressure in steps of 0.5 bar by freely selecting the number of spring cartridges (4 to 12).

Spring force

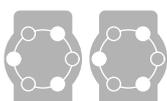
[20] For connection pressure 2 bar



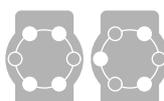
[25] For connection pressure 2.5 bar



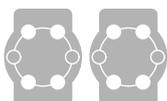
[30] For connection pressure 3 bar



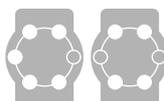
[35] For connection pressure 3.5 bar



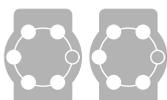
[40] For connection pressure 4 bar



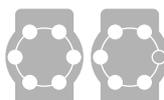
[45] For connection pressure 4.5 bar



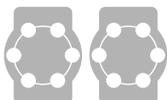
[50] For connecting pressure 5 bar



[55] For connection pressure 5.5 bar



[60] For connection pressure 6 bar



System of units



The pneumatic connections are available either as a metric version to ISO 228-1 or as an imperial NPT variant to ANSI B1-20.1. The imperial NPT version is mainly used in the American market.

Temperature range

Standard

□ 20 ... +80 °C

[T4] 0 ... +150°C

0 ... +150°C

Type code

001	Series	
DFPD	Semi-rotary drive	
002	System of units	
	Metric	
N	Imperial	
003	Size	
10	10	
20	20	
40	40	
60	60	
80	80	
120	120	
160	160	
240	240	
300	300	
480	480	
700	700	
900	900	
1200	1200	
2300	2300	
3500	3500	
4500	4500	
6500	6500	
9500	9500	
004	Design	
RP	Rack and pinion	
SY	Scotch yoke system	
005	Yoke type	
	None	
Y	Symmetrical	
006	Swivel angle [°]	
90	90	
120	120	
135	135	
180	180	
007	Swivel direction	
L	Left	
R	Right	
008	Function	
D	Double-acting	
S	Single-acting	
009	Spring force	
	None	
20	For connection pressure 2 bar	
25	For connection pressure 2.5 bar	
30	For connection pressure 3 bar	
35	For connection pressure 3.5 bar	
40	For connection pressure 4 bar	
45	For connection pressure 4.5 bar	
50	For connecting pressure 5 bar	
55	For connection pressure 5.5 bar	
60	For connection pressure 6 bar	

010	Normal position	
	Closing	
U	Open	
011	Flange pattern 1	
F03	Hole pattern F03	
F04	Hole pattern F04	
F05	Hole pattern F05	
F07	Hole pattern F07	
F10	Hole pattern F10	
F12	Hole pattern F12	
F14	Hole pattern F14	
F16	Hole pattern F16	
012	Flange pattern 2	
	None	
07	Hole pattern F07	
10	Hole pattern F10	
12	Hole pattern F12	
16	Hole pattern F16	
25	Hole pattern F25	
013	Width across flats	
	Standard	
9	9 mm	
11	11 mm	
17	17 mm	
27	27 mm	
36	36 mm	
46	46 mm	
55	55 mm	
014	Pneumatic connection	
	Standard	
X	Alternative connection size	
015	Temperature range	
	Standard	
T4	0 ... +150°C	
016	Shaft material	
	Standard	
R3	Stainless steel	
017	Housing surface treatment	
	None	
EP	Epoxy coated	
018	Industry focus	
	General	
C	Chemical industry	
019	Mechanical interface	
	Standard	
VDE2	VDI/VDE 3847-2	
020	Approval for installation on ships	
	None	
GL	To DNV-GL for integration on ships	

Datasheet

General technical data DFPD 10 to 2300, double-acting																
Size of valve actuator	10	20	40	60	80	120	160	240	300	480	700	900	1,200	2,300		
Flange hole pattern	F03	F04	F03	F04	F05	F0507	F0710	F1012	F14	F1216						
Shaft connection	T9		T11		T14		T17		T22		T27		T36		T46	
Shaft connection depth	10 mm		12 mm		16 mm		19 mm		24 mm		29 mm		38 mm		48 mm	
Mode of operation	Double-acting															
Design	Rack and pinion															
Mounting position	optional															
Pneumatic connection	G1/8, 1/8 NPT		G1/8		G1/8, 1/8 NPT				G1/4, 1/4 NPT							
Fitting connection conforms to standard	ISO 5211															
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)															
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1							VDI/VDE 3845 size AA 2				VDI/VDE 3845 size AA 3				
Safety Integrity Level (SIL)	To SIL 2 Low Demand mode, Up to SIL 3 in a redundant architecture, Up to SIL 1 high demand mode															
Certified for safety function to ISO 13849 and IEC 61508 (SIL)	Product can be used in SRP/CS up to SIL 2 (Low Demand), Product can be used in SRP/CS up to SIL 1 (High Demand), Up to SIL 3 in a redundant architecture															
Swivel angle	90 deg			90 ... 180 deg		90 deg		90 ... 180 deg		90 deg		90 ... 180 deg		90 deg		
End-position adjustment range at 0°	-5 ... 5 deg															
End-position adjustment range at nominal swivel angle	-5 ... 5 deg															
Closing direction	Closes to the right															
Torque at nominal operating pressure and 0° swivel angle	10.3 Nm		20.1 Nm		38.3 Nm	63.3 Nm	82.4 Nm	117.4 Nm	161 Nm	234.3 Nm	301.9 Nm	474 Nm	663.3 Nm	842 Nm	1,169.4 Nm	2,233.3 Nm
Torque at nominal operating pressure and 90° swivel angle	10.3 Nm		20.1 Nm		38.3 Nm	63.3 Nm	82.4 Nm	117.4 Nm	161 Nm	234.3 Nm	301.9 Nm	474 Nm	663.3 Nm	842 Nm	1,169.4 Nm	2,233.3 Nm
Note on torque	The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.															

Datasheet

General technical data DFPD 3500 to 9500, double-acting

Design	Scotch yoke system					Rack and pinion	
Size of valve actuator	3,500	4,500	6,500	9,500	3,500	4,500	
Flange hole pattern	F16	F1625				F16	
Shaft connection	T46	T55				T46	
Shaft connection depth	48 mm	57 mm				50 mm	
Mode of operation	Double-acting						
Mounting position	optional						
Pneumatic connection	G1/2			G3/4	G1/2		
Fitting connection conforms to standard	ISO 5211						
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)						
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 2	VDI/VDE 3845 size AA 3					
Safety Integrity Level (SIL)	To SIL 2 Low Demand mode, Up to SIL 3 in a redundant architecture						
Certified for safety function to ISO 13849 and IEC 61508 (SIL)	Product can be used in SRP/CS up to SIL 2 (Low Demand), Up to SIL 3 in a redundant architecture						
Swivel angle	90 deg						
End-position adjustment range at 0°	-5 ... 5 deg						
End-position adjustment range at nominal swivel angle	-5 ... 5 deg						
Closing direction	Closes to the right						
Torque at nominal operating pressure and 0° swivel angle	3,993.9 Nm	4,780 Nm	6,028 Nm	7,988.6 Nm	3,229 Nm	3,998.6 Nm	
Torque at nominal operating pressure and 90° swivel angle	3,993.9 Nm	4,780 Nm	6,028 Nm	7,988.6 Nm	3,229 Nm	3,998.6 Nm	
Note on torque	The operating torque of the actuator must not be higher than the maximum permissible torque listed in ISO 5211, with reference to the size of the mounting flange and of the coupling.						

Operating and environmental conditions DFPD 10 to 2300, double-acting

Size of valve actuator	10	20	40	60	80	120	160	240	300	480	700	900	1,200	2,300	
Ambient temperature	-20 ... 80°C														
Operating pressure	2 ... 8 bar														
Operating pressure	0.2 ... 0.8 MPa														
Operating pressure	29 ... 116 psi														
Nominal operating pressure	5.5 bar														
Nominal operating pressure	0.55 MPa														
Nominal operating pressure	79.75 psi														
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]														
Note on operating and pilot medium	Dew point at least 10°C below the ambient temperature and temperature of the medium, Lubricated operation possible (in which case lubricated operation will always be required)														
Storage temperature	-20 ... 60°C														
Certificate issuing authority	DNV TAP00001CE, German Technical Control Board (TÜV) Rheinland 968/V 1106.01/2023														
Maritime classification	See certificate														
UKCA marking (see declaration of conformity)	To UK EX instructions														
LABS (PWIS) conformity	VDMA24364-B1/B2-L														
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	1 l	1.8 l	3.4 ... 5.6 l	3.8 l	7.4 l	10.4 ... 12.8 l	14 l	20.3 ... 26.6 l	26.4 l	40.5 ... 61.4 l	58.8 l	75.9 l	105 l	204 l	

Datasheet

Operating and environmental conditions DFPD 3500 to 9500, double-acting						
Design	Scotch yoke system				Rack and pinion	
Size of valve actuator	3,500	4,500	6,500	9,500	3,500	4,500
Ambient temperature	-20 ... 80°C					
Operating pressure	3 ... 5.4 bar	3 ... 6 bar		3 ... 4.6 bar	2 ... 6.8 bar	2 ... 5.2 bar
Operating pressure	0.3 ... 0.54 MPa	0.3 ... 0.6 MPa		0.3 ... 0.46 MPa	0.2 ... 0.68 MPa	0.2 ... 0.52 MPa
Operating pressure	43.5 ... 78.3 psi	43.5 ... 87 psi		43.5 ... 66.7 psi	29 ... 98.6 psi	29 ... 75.4 psi
Nominal operating pressure	5.38 bar	5.5 bar		4.63 bar	5.5 bar	5.24 bar
Nominal operating pressure	0.538 MPa	0.55 MPa		0.463 MPa	0.55 MPa	0.524 MPa
Nominal operating pressure	78.01 psi	79.75 psi		67.135 psi	79.75 psi	75.98 psi
Operating medium	Compressed air to ISO 8573-1:2010 [7:3:4]					
Note on operating and pilot medium	Dew point at least 10°C below the ambient temperature and temperature of the medium, Lubricated operation possible (in which case lubricated operation will always be required)					
Storage temperature	-20 ... 60°C					
Certificate issuing authority	German Technical Control Board (TÜV) Rheinland 968/V 2959.00/2025					
UKCA marking (see declaration of conformity)	To UK EX instructions					
LABS (PWIS) conformity	VDMA24364 zone III					
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	183.4 l	210 l	261.8 l	408.8 l	314.37 l	404.6 l

ATEX DFPD, double-acting												
Size of valve actuator	10	20	40	60	80	120	160	240	300	480	700	900
Ambient temperature	-20 ... 80°C											
ATEX category gas	II 2G											
Explosion ignition protection type for gas	Ex h IIC T4 Gb X											
Explosion ignition protection type for dust	Ex h IIIC T105°C Db X											
ATEX category dust	II 2D											
Explosion ambient temperature	-20°C ≤ Ta ≤ +80°C											
Explosion protection certification outside the EU	EPL Db (GB), EPL Gb (GB)											
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)											
Document deposit number for category 2 mechanical devices	557/Ex-Ab 2649/16											

ATEX DFPD 1200 to 9500, double-acting						
Size of valve actuator	1,200	2,300	3,500	4,500	6,500	9,500
Ambient temperature	-20 ... 80°C					
ATEX category gas	II 2G					
Explosion ignition protection type for gas	Ex h IIC T4 Gb X			Ex h IIC T6 Gb		
Explosion ignition protection type for dust	Ex h IIIC T105°C Db X			Ex h IIIC T85°C Db		
ATEX category dust	II 2D					
Explosion ambient temperature	-20°C ≤ Ta ≤ +80°C					
Explosion protection certification outside the EU	EPL Db (GB), EPL Gb (GB)					
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)					
Document deposit number for category 2 mechanical devices	557/Ex-Ab 2649/16			558/Ex-Ab 4111/25		

Datasheet

Materials DFPD 10 to 2300, double-acting

Material cover	Coated die-cast aluminium
Material housing	Anodised aluminium, Aluminium, powder-coated
Material shaft	Nickel-plated steel, High-alloy stainless steel
Material sub-base	Coated wrought aluminium alloy, Anodised wrought aluminium alloy
Material piston	Die-cast aluminium
Material seals	NBR
Material bearing	POM
Material cam	Steel, High-alloy stainless steel
Material screws	High-alloy stainless steel
Note on materials	RoHS-compliant

Materials DFPD 3500 to 9500, double-acting

Material cover	Painted die-cast aluminium
Material housing	Anodised aluminium, Spheroidal graphite cast iron
Material shaft	Nickel-plated steel
Material sub-base	Anodised wrought aluminium alloy
Material piston	Die-cast aluminium, Spheroidal graphite cast iron
Material seals	NBR
Material bearing	POM
Material cam	–
Material screws	High-alloy stainless steel
Note on materials	RoHS-compliant

General technical data DFPD 20 to 120, single-acting

Size of valve actuator	20			40		60		80	120	
Flange hole pattern	F03	F04	F05	F04	F0507	F04	F0507			
Shaft connection	T9	T11			T14	T11	T14	T17		
Shaft connection depth	10 mm	12 mm			16 mm	12 mm	16 mm	19 mm		
Mode of operation	Single-acting									
Design	Rack and pinion									
Mounting position	optional									
Pneumatic connection	G1/8, 1/8 NPT						G1/8	G1/8, 1/8 NPT	G1/4, 1/4 NPT	
Fitting connection conforms to standard	ISO 5211									
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)									
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1									
Safety Integrity Level (SIL)	To SIL 2 Low Demand mode, Up to SIL 3 in a redundant architecture, Up to SIL 1 high demand mode									
Certified for safety function to ISO 13849 and IEC 61508 (SIL)	Product can be used in SRP/CS up to SIL 2 (Low Demand), Product can be used in SRP/CS up to SIL 1 (High Demand), Up to SIL 3 in a redundant architecture									
Maritime classification	See certificate									
Swivel angle	90 deg									
End-position adjustment range at 0°	-5 ... 5 deg									
End-position adjustment range at nominal swivel angle	-5 ... 5 deg									
Closing direction	Closes to the right									

Datasheet

General technical data DFPD 160 to 2300, single-acting										
Size of valve actuator	160	240	300	480	700	900	1,200	2,300		
Flange hole pattern	F0710			F1012		F14	F1012	F14	F1012	F1216
Shaft connection	T22			T27		T36	T27	T36	T27	T46
Shaft connection depth	24 mm			29 mm		38 mm	29 mm	38 mm	29 mm	48 mm
Mode of operation	Single-acting									
Design	Rack and pinion									
Mounting position	optional									
Pneumatic connection	G1/4, 1/4 NPT									
Fitting connection conforms to standard	ISO 5211									
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)									
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1	VDI/VDE 3845 size AA 2				VDI/VDE 3845 size AA 3				
Safety Integrity Level (SIL)	To SIL 2 Low Demand mode, Up to SIL 3 in a redundant architecture, Up to SIL 1 high demand mode									
Certified for safety function to ISO 13849 and IEC 61508 (SIL)	Product can be used in SRP/CS up to SIL 2 (Low Demand), Product can be used in SRP/CS up to SIL 1 (High Demand), Up to SIL 3 in a redundant architecture									
Maritime classification	See certificate									
Swivel angle	90 deg									
End-position adjustment range at 0°	-5 ... 5 deg									
End-position adjustment range at nominal swivel angle	-5 ... 5 deg									
Closing direction	Closes to the right									

Operating and environmental conditions DFPD 20 to 120, single-acting					
Size of valve actuator	20	40	60	80	120
Operating pressure	2 ... 8 bar				
Operating pressure	0.2 ... 0.8 MPa				
Operating pressure	29 ... 116 psi				
Nominal operating pressure	3 ... 6 bar				
Nominal operating pressure	0.3 ... 0.6 MPa				
Nominal operating pressure	43.5 ... 87 psi				
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]				
Note on operating and pilot medium	Dew point at least 10°C below the ambient temperature and temperature of the medium, Lubricated operation possible (in which case lubricated operation will always be required)				
Ambient temperature	-20 ... 80°C				
Storage temperature	-20 ... 60°C				
Certificate issuing authority	DNV TAP00001CE, German Technical Control Board (TÜV) Rheinland 968/V 1106.01/2023				
Maritime classification	See certificate				
UKCA marking (see declaration of conformity)	To UK EX instructions				
LABS (PWIS) conformity	VDMA24364-B1/B2-L				
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	0.8 l	1.5 l	2 l	3.1 l	4.3 l

Datasheet

Operating and environmental conditions DFPD 160 to 2300, single-acting

Size of valve actuator	160	240	300	480	700	900	1,200	2,300
Operating pressure	2 ... 8 bar							
Operating pressure	0.2 ... 0.8 MPa							
Operating pressure	29 ... 116 psi							
Nominal operating pressure	3 ... 6 bar				5.5 ... 6 bar	6 bar	5.5 ... 6 bar	6 bar
Nominal operating pressure	0.3 ... 0.6 MPa				0.55 ... 0.6 MPa	0.6 MPa	0.55 ... 0.6 MPa	0.6 MPa
Nominal operating pressure	43.5 ... 87 psi				79.75 ... 87 psi	87 psi	79.75 ... 87 psi	87 psi
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]							
Note on operating and pilot medium	Dew point at least 10°C below the ambient temperature and temperature of the medium, Lubricated operation possible (in which case lubricated operation will always be required)							
Ambient temperature	-20 ... 80°C							
Storage temperature	-20 ... 60°C							
Certificate issuing authority	DNV TAP00001CE, German Technical Control Board (TÜV) Rheinland 968/V 1106.01/2023							
Maritime classification	See certificate							
UKCA marking (see declaration of conformity)	To UK EX instructions							
LABS (PWIS) conformity	VDMA24364-B1/B2-L							
Air consumption at 0.6 MPa (6 bar, 87 psi) per cycle 0°-nominal swivel angle-0°	5.9 l	8.6 l	11 l	17.2 l	24.5 l	31.5 l	43.5 ... 105 l	84.4 l

ATEX DFPD 20 to 2300, single-acting

Size of valve actuator	20	40	60	80	120	160	240	300	480	700	900	1,200	2,300
Ambient temperature	-20 ... 80°C												
ATEX category gas	II 2G												
Explosion ignition protection type for gas	Ex h IIC T4 Gb X												
Explosion ignition protection type for dust	Ex h IIIC T105°C Db X												
ATEX category dust	II 2D												
Explosion ambient temperature	-20°C ≤ Ta ≤ +80°C												
Explosion protection certification outside the EU	EPL Db (GB), EPL Gb (GB)												
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)												
Document deposit number for category 2 mechanical devices	557/Ex-Ab 2649/16												

Materials DFPD 20 to 2300, single-acting

Material cover	Coated die-cast aluminium
Material housing	Anodised aluminium, Aluminium, powder-coated
Material shaft	Nickel-plated steel, High-alloy stainless steel
Material sub-base	Coated wrought aluminium alloy, Anodised wrought aluminium alloy
Material piston	Die-cast aluminium
Material seals	NBR
Material bearing	POM
Material cam	Steel, High-alloy stainless steel
Material screws	High-alloy stainless steel
Material spring	Spring steel
Note on materials	RoHS-compliant

Datasheet

General technical data DFPD-C													
Size of valve actuator	20	40	80	120	160	240	300	480	700	900	1,200	2,300	
Flange hole pattern	F05		F0507	F07		F10		F12		F14		F16	
Shaft connection	T11	T14		T17		T17, T22		T22		T27		T36	T46
Shaft connection depth	12	16		19		19, 24		24		29		38	48
Mode of operation	Single-acting												
Design	Rack and pinion												
Mounting position	optional												
Pneumatic connection	G1/8, 1/8 NPT		G1/8	G1/8, 1/8 NPT		G1/4, 1/4 NPT						G1/4, G1/2, 1/4 NPT, 1/2 NPT	
Fitting connection conforms to standard	ISO 5211												
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR)												
Connection point for positioner and position sensor conforms to standard	VDI/VDE 3845 size AA 1						VDI/VDE 3845 size AA 2			VDI/VDE 3845 size AA 3			
Safety Integrity Level (SIL)	To SIL 2 Low Demand mode, Up to SIL 3 in a redundant architecture, Up to SIL 1 high demand mode												
Certified for safety function to ISO 13849 and IEC 61508 (SIL)	Product can be used in SRP/CS up to SIL 2 (Low Demand), Product can be used in SRP/CS up to SIL 1 (High Demand), Up to SIL 3 in a redundant architecture												
Swivel angle	90 deg												
End-position adjustment range at 0°	-5 ... 5 deg												
End-position adjustment range at nominal swivel angle	-5 ... 5 deg												
Closing direction	Closes to the right												
Safety function	The safety function consists of the actuator switching to the specified safety switching position when the compressed air is switched off and the spring chamber is exhausted. This switching movement is achieved through the spring force of the spring assembly.												
Device type according to VDMA 66413	Safety device												

Operating and environmental conditions DFPD-C												
Size of valve actuator	20	40	80	120	160	240	300	480	700	900	1,200	2,300
Operating pressure	2 ... 8 bar											
Operating pressure	0.2 ... 0.8 MPa											
Operating pressure	29 ... 116 psi											
Nominal operating pressure	3.5 ... 6 bar											
Nominal operating pressure	0.35 ... 0.6 MPa											
Nominal operating pressure	50.75 ... 87 psi											
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]											
Note on operating and pilot medium	Dew point at least 10°C below the ambient temperature and temperature of the medium, Lubricated operation possible (in which case lubricated operation will always be required)											
Ambient temperature	-20 ... 80°C											
Storage temperature	-20 ... 60°C											
Certificate issuing authority	DNV TAP00001CE, German Technical Control Board (TÜV) Rheinland 968/V 1106.01/2023											
Maritime classification	See certificate											
UKCA marking (see declaration of conformity)	To UK EX instructions											

Datasheet

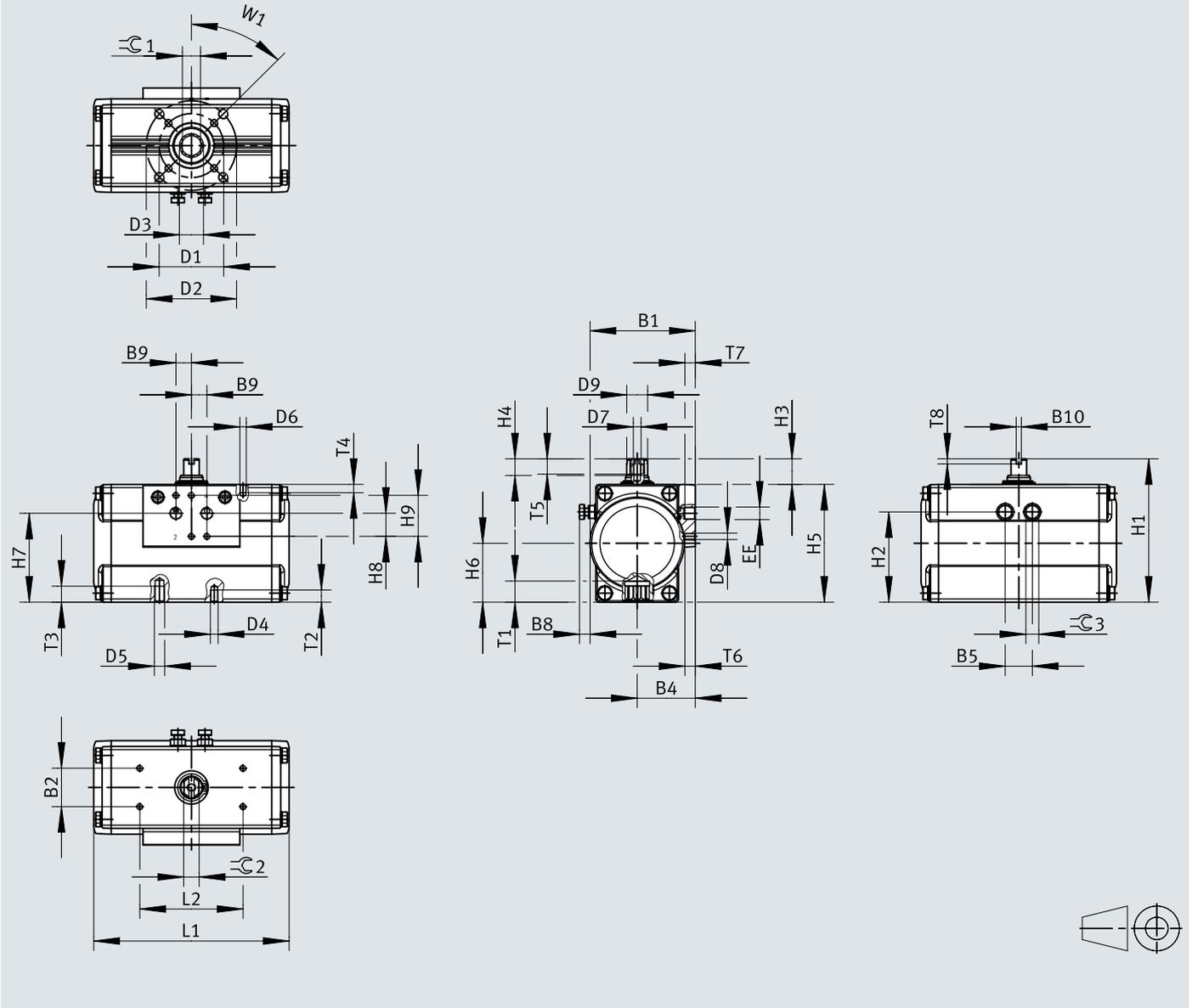
ATEX DFPD-C												
Size of valve actuator	20	40	80	120	160	240	300	480	700	900	1,200	2,300
Ambient temperature	-20 ... 80°C											
ATEX category gas	II 2G											
Explosion ignition protection type for gas	Ex h IIC T4 Gb X											
Explosion ignition protection type for dust	Ex h IIIC T105°C Db X											
ATEX category dust	II 2D											
Explosion ambient temperature	-20°C ≤ Ta ≤ +80°C											
Explosion protection certification outside the EU	EPL Db (GB), EPL Gb (GB)											
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)											
Document deposit number for category 2 mechanical devices	557/Ex-Ab 2649/16											

Materials DFPD-C	
Material cover	Coated die-cast aluminium, Anodised die-cast aluminium
Material housing	Anodised aluminium
Material shaft	Nickel-plated steel, High-alloy stainless steel
Material sub-base	Anodised wrought aluminium alloy
Material piston	Die-cast aluminium
Material seals	NBR
Material spring	Spring steel
Material bearing	POM
Material cam	Steel, High-alloy stainless steel
Material screws	High-alloy stainless steel
Note on materials	RoHS-compliant

Dimensions

Dimensions – DFPD double-acting, size 10 ... 80

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Dimensions

	B1	B2 ±0,1	B4	B5	B8 max.	B9	B10	D1 ∅ ±0,1	D2 ∅ ±0,1	D3 ∅	D4	D5	D6
DFPD-10-F03	59,5	30	35	16	10,7	12	4	36	-	12	M5	-	M5
DFPD-10-F04								42					
DFPD-20-F04	68,5		38,5	19	9,2			-	14,6	M5	-		
DFPD-20-F05													
DFPD-40-...-F0507	81,5		45	21	8,2			70	18,7	M6	M8		
DFPD-40-180-...-F0507													
DFPD-60-F05	93,5		50,5	24	11			-	23,3	M6	M8		
DFPD-60-...													
DFPD-80-...-F0507	99	53	26	9									

	D7	D8	D9 ∅ ±0,1	EE	H1	H2	H3 min.	H3 max.	H4 +0,1	H5	H6 ±0,2	H7 ±0,3	H8 ±0,1	H9
DFPD-10-F03	M6	M5	10,9	G 1/8 1/8 NPT	90	51	19,5	20,4	10	70	35	47	16	32
DFPD-10-F04			12,7		100	59,75			10	80	40	57,5	17	
DFPD-20-F04			16,2		112	70,5	19,5	20,3	13	92	46	67,5	18	
DFPD-20-F05														
DFPD-40-...-F0507			19		124,9	82,1	19,4	20,4	110	52,5	82,4	18		
DFPD-40-180-...-F0507														
DFPD-60-F05			20,2		130	86	19,5	20,3	110	55	86,5	16		
DFPD-60-...														
DFPD-80-...-F0507														

	L1	L2 ±0,1	T1 min.	T2 min.	T3 min.	T4 min.	T5 min.	T6	T7 min.	T8	≈C 1 H11	≈C 2 h11	≈C 3	W1
DFPD-10-F03	124,7	80	10	8	-	8	12	8	8	4	9	9	10	45°
DFPD-10-F04			12		-						11	9	10	
DFPD-20-F04	133,3		16	9	12	8	8	8	4	14	12	10		
DFPD-20-F05														
DFPD-40-...-F0507	151,4		170	19	12	8	12	8	4	17	14	13		
DFPD-40-180-...-F0507														
DFPD-60-F05	170		19	12	8	12	8	4	17	15	13			
DFPD-60-...														
DFPD-80-...-F0507	189,3													

Dimensions

	B1	B2 ±0,1	B4	B5	B8 max.	B9	B10	D1 ∅ ±0,1	D2 ∅ ±0,1	D3 ∅	D4	D5	D6			
DFPD-120-...-F0507	111,5	30	60,5	32	12,3	12	4	50	70	23,2	M6	M8	M5			
DFPD-120-180-...-F0507																
DFPD-160-...-F0710	120		63,5	36	13,4							30		M8	M10	
DFPD-240-...-F0710	135,5		71,5	41	18,5					70	102	30,3				
DFPD-240-180-...-F0710			144	74,5	46			17			30,3					
DFPD-300-...-F0710														30		
DFPD-480-...-F1012	163			83	52			19,3			102	125		37,4	M10	M12
DFPD-480-180-...-F1012																

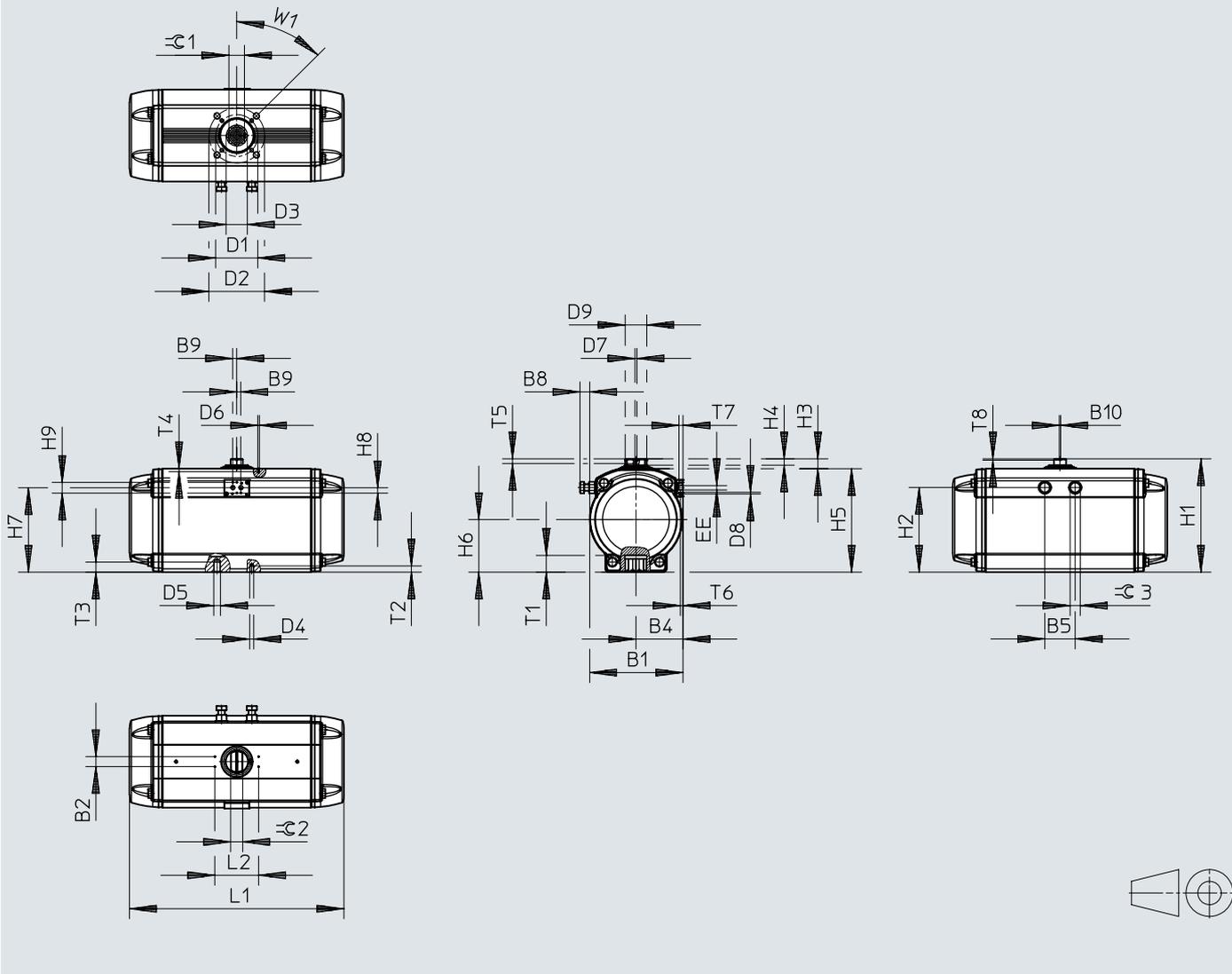
	D7	D8	D9 ∅ ±0,1	EE	H1	H2	H3 min.	H3 max.	H4 +0,1	H5	H6	H7 ±0,3	H8 ±0,1	H9		
DFPD-120-...-F0507	M6	M5	22,5	G 1/4 1/4 NPT	143	97,75	19,5	20,3	13	123	61,5 _{±0,2}	98,4	16	32		
DFPD-120-180-...-F0507																
DFPD-160-...-F0710						25,5	154	106,25		20,4		134			67 _{±0,2}	109,4
DFPD-240-...-F0710						31,8	180	120,5	29,4	30,3	19,5	150			75 _{±0,2}	120,2
DFPD-240-180-...-F0710							192	131				162			81 _{±0,3}	132,1
DFPD-300-...-F0710							214	149,5				184			92 _{±0,4}	152,5
DFPD-480-...-F1012						38			29,3							
DFPD-480-180-...-F1012																

	L1	L2 ±0,1	T1 ±0,4	T2	T3	T4	T5	T6	T7	T8 +0,5	≈C 1 H11	≈C 2 h11	≈C 3	W1					
DFPD-120-...-F0507	213,7	80	19,3	9	12	8	14	8	12	4	17	15	13	45°					
DFPD-120-180-...-F0507	326,8																		
DFPD-160-...-F0710	230,9																19	16	
DFPD-240-...-F0710	257			24,3	12						15						22	22	18
DFPD-240-180-...-F0710	395,5																		
DFPD-300-...-F0710	334,4																		
DFPD-480-...-F1012	374,2			29,5	15						18							27	27
DFPD-480-180-...-F1012	550,3																		

Dimensions

Dimensions – DFPD double-acting, sizes 700 ... 2300

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Dimensions

	B1	B2 ±0,1	B4	B5	B8 max.	B9	B10 ±0,1	D1 ∅	D2 ∅	D3 ∅	D4	D5	D6	
DFPD-700- ... -F10/12	184	30	93	57,6	17,5	12	4	102	125	37,4	M10	M12	M5	
DFPD-900- ... -F10/12	202		102	64,8	28,6			12	140	–	50,1	M16		–
DFPD-900- ... -F14			102	125	37,4				M10	M12				
DFPD-1200- ... -F10/12	221,5		111,5	72	24			12	140	–	50,1	M16		–
DFPD-1200- ... -F14			125	165	62,9				M12	M20				
DFPD-2300- ... -F12/16	277		139,8	90	33	20		140	–	50,1	M16	–		
DFPD-2300- ... -F14								125	165	62,9	M12	M20		
DFPD-2300- ... -F12/16-X	281		143,8	90	33	20		140	–	50,1	M16	–		
DFPD-2300- ... -F14-X								140	–	50,1	M16	–		
DFPD-2300- ... -F16-X								165	–	62,9	M20	–		

	D7	D8	D9 ±0,1	EE	H1	H2	H3 -0,5	H4	H5	H6	H7	H8 ±0,1	H9		
DFPD-700- ... -F10/12	M6	M5	41	G 1/4 1/4 NPT	232,7	168	30	21	203	103	164,9	16	32		
DFPD-900- ... -F10/12			44		252,7	182			223	113	178,3				
DFPD-900- ... -F14			50		275,7	204			246	125	199,6				
DFPD-1200- ... -F10/12			64		G 1/2 1/2 NPT	338,7			253	19	309			157	252,3
DFPD-1200- ... -F14															250
DFPD-2300- ... -F12/16		M6	64	G 1/2 1/2 NPT	338,7	253		19	309	157	250	22,5	45		
DFPD-2300- ... -F14											250	22,5	45		
DFPD-2300- ... -F12/16-X											250	22,5	45		
DFPD-2300- ... -F14-X		250	22,5	45											
DFPD-2300- ... -F16-X		250	22,5	45											

	L1	L2 ±0,1	T1 min.	T2	T3	T4	T5	T6	T7	T8 +0,5	≈C 1 H11	≈C 2 h11	≈C 3	W1			
DFPD-700- ... -F10/12	428,2	80	29,7	15	18	8	14	8	12	4	27	30	21	45°			
DFPD-900- ... -F10/12	469,6	130	30,2	15,5	18,5	8,5					36	32	27		36	30	21
DFPD-900- ... -F14			40,2	24,5	–												
DFPD-1200- ... -F10/12	519,3		31	15,5	18,5	8,5					36	32	27		36	30	21
DFPD-1200- ... -F14			40	24,5	–												
DFPD-2300- ... -F12/16	636		50	18,5	30	8,5		36/46	36		30	36/46	30		24		
DFPD-2300- ... -F14		40	24,5	–													
DFPD-2300- ... -F12/16-X		50	18,5	30													
DFPD-2300- ... -F14-X		40	24,5	–													
DFPD-2300- ... -F16-X	50	30	–														

Dimensions

	B1	B2 ±0,1	B4	B5	B8 max.	B9	B10 +0,1	D1 ∅ ±0,1	D2 ∅ ±0,1	D3 ∅	D4	D5	D6
DFPD-20-F03	68,5	30	38,5	19	9,2	12	4	36	-	12	M5	-	M5
DFPD-20-F04								42		14,6			
DFPD-20-F05								50					
DFPD-40-F04	81,5		45	21	8,2			42	70	18,7	M6	M8	
DFPD-40-F0507			93,5	50,5	24			11		50	14,6	M5	
DFPD-60-F04	18,7										M6	M8	
DFPD-60-F05	14,6										M5	-	
DFPD-60-...	99		53	26	9			9	9	9	23,3	M6	
DFPD-80-F0507		23,3				M6	M8						

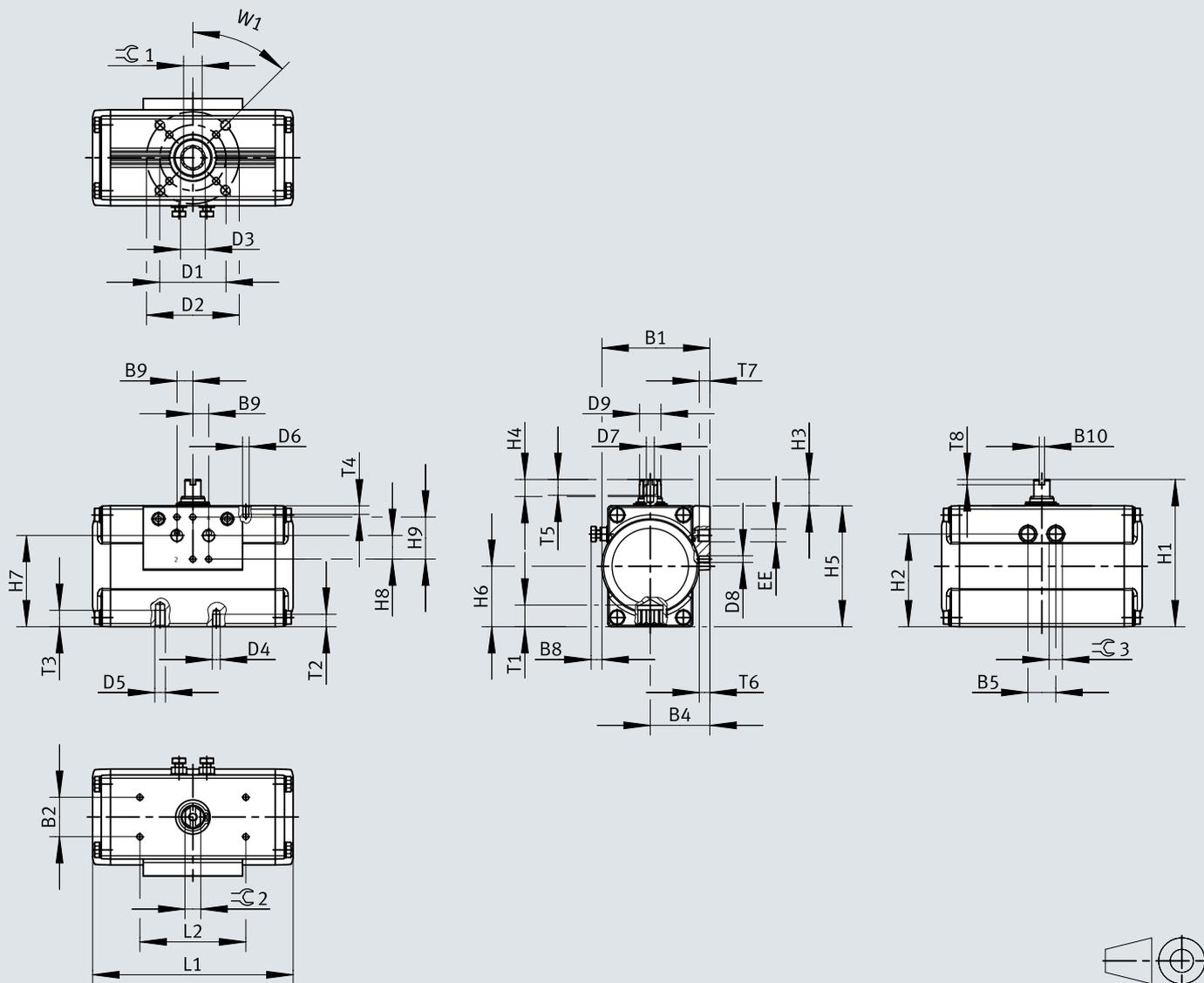
	D7	D8	D9 ∅ ±0,1	EE	H1	H2	H3 min.	H3 max.	H4 +0,1	H5	H6 ±0,2	H7 ±0,3	H8 ±0,1	H9
DFPD-20-F03	M6	M5	12,7	G 1/8 1/8 NPT	100	59,75	19,5	20,4	10	80	40	57,5	17	32
DFPD-20-F04														
DFPD-20-F05														
DFPD-40-F04			16,2		112	70,5	19,5	20,3	13	92	46	67,5		
DFPD-40-F0507														
DFPD-60-F04			19		124,9	82,1	19,4	20,4		105	52,5	82,4	18	
DFPD-60-F05														
DFPD-60-...			20,2		130	86	19,5	20,3	110	55	86,5			
DFPD-80-F0507														

	L1	L2 ±0,1	T1 min.	T2 min.	T3 min.	T4 min.	T5 min.	T6	T7 min.	T8	≈C 1 H11	≈C 2 h11	≈C 3	W1	
DFPD-20-F03	145,7	80	10	8	-	8	12	8	8	4	9	9	10	45°	
DFPD-20-F04			12								9				11
DFPD-20-F05			12								8				12
DFPD-40-F04	170,4		16	9	12						14	12			
DFPD-40-F0507			12	8	-						11	14			
DFPD-60-F04	201		16	9	12						14	14	14		14
DFPD-60-F05			19								17	14	13		
DFPD-60-...			19								15	15	13		
DFPD-80-F0507	223,1	19	19	19	19	19	19	19	19	19	19	19	19		

Dimensions

Dimensions – DFPD single-acting, size 120 ... 480

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Dimensions

	B1	B2 ±0,1	B4	B5	B8 max.	B9	B10	D1 ∅ ±0,1	D2 ∅ ±0,1	D3 ∅	D4	D5	D6
DFPD-120-F0507	111,5	30	60,5	32	12,3	12	4	50	70	23,2	M6	M8	M5
DFPD-160-F0710	120		63,5	36	13,4			30					
DFPD-240-F0710	135,5		71,5	41	18,5			30,3	M8	M10			
DFPD-300-F0710	144		74,5	46	17			30					
DFPD-480-F1012	163		83	52	19,3			102	125	37,4	M10	M12	

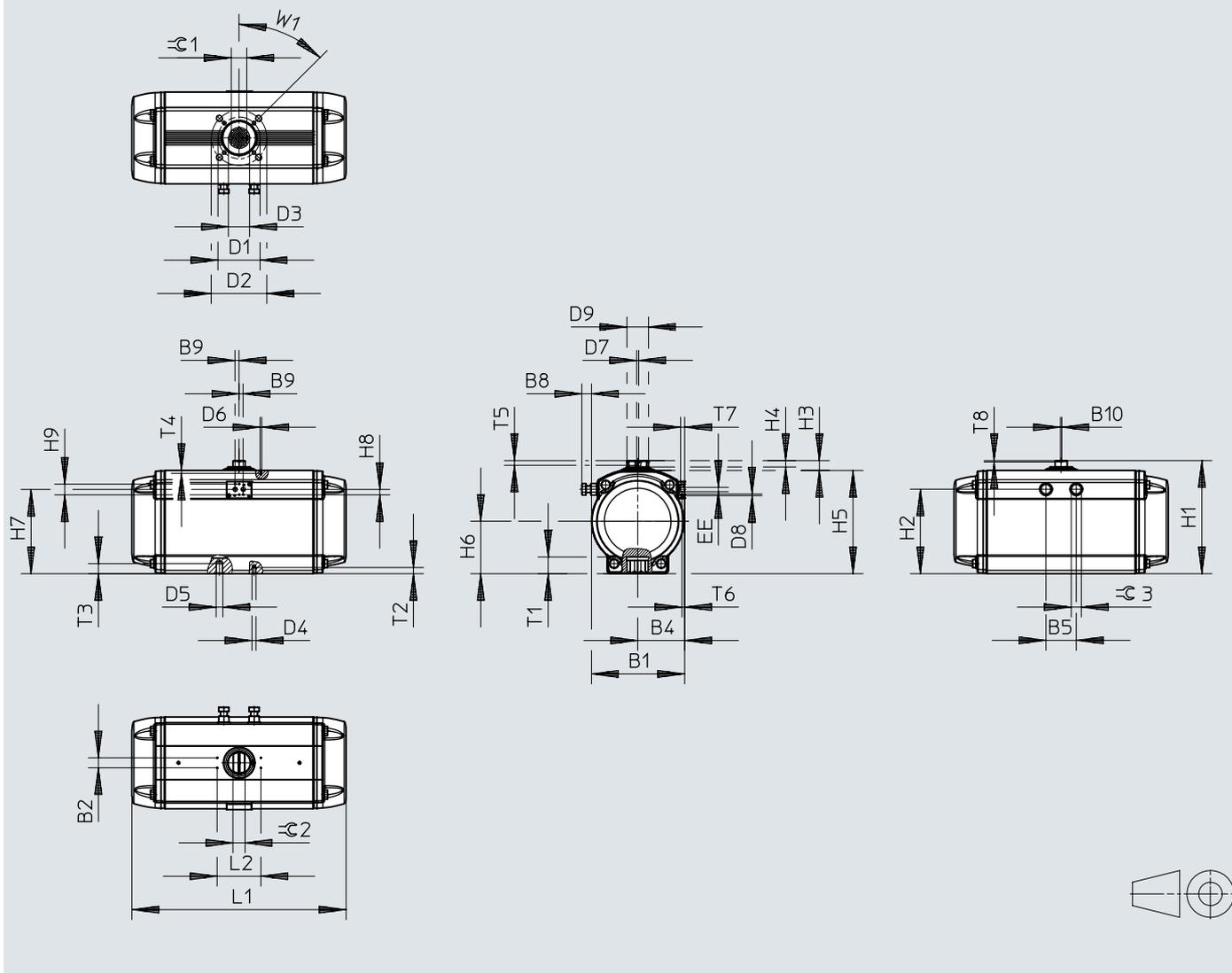
	D7	D8	D9 ∅ ±0,1	EE	H1	H2	H3 min.	H3 max.	H4 +0,1	H5	H6	H7 ±0,3	H8 ±0,1	H9
DFPD-120-F0507	M6	M5	22,5	G 1/4 1/4 NPT	143	97,75	19,5	20,3	13	123	61,5	98,4	16	32
DFPD-160-F0710			25,5		154	106,25		20,4		134	67	109,4		
DFPD-240-F0710			31,8		180	120,5	29,4	30,3	19,5	150	75	120,2		
DFPD-300-F0710			38		192	131				162	81	132,1		
DFPD-480-F1012					214	149,5				184	92	152,5		

	L1	L2 ±0,1	T1 ±0,4	T2	T3	T4	T5	T6	T7	T8 +0,5	≈C 1 H11	≈C 2 h11	≈C 3	W1
DFPD-120-F0507	252,3	80	19,3	9	12	8	14	8	12	4	17	15	13	45°
DFPD-160-F0710	270,9		19	16										
DFPD-240-F0710	301,4		24,3	12	15						22	22	18	
DFPD-300-F0710	334,4		29,5	15	18						27	27	21	
DFPD-480-F1012	374,2													

Dimensions

Dimensions – DFPD single-acting, size 700 ... 2300

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Dimensions

	B1	B2 ±0,1	B4	B5	B8 max.	B9	B10 ±0,1	D1 ∅	D2 ∅	D3 ∅	D4	D5	D6		
DFPD-700-...-F10/12	184	30	93	57,6	17,5	12	4	102	125	37,4	M10	M12	M5		
DFPD-900-...-F10/12	202		102	64,8	28,6			12	4	140	–	50,1		M16	–
DFPD-900-...-F14			102	125	37,4					M10	M12				
DFPD-1200-...-F10/12	221,5		111,5	72	24			12	4	140	–	50,1		M16	–
DFPD-1200-...-F14			125	165	62,9					M12	M20				
DFPD-2300-...-F12/16	277		139,8	90	33	20	4	140	–	50,1	M16	–			
DFPD-2300-...-F14			125					165	62,9	M12	M20				
DFPD-2300-...-F12/16-X	281		143,8	90	33	20	4	140	–	50,1	M16	–			
DFPD-2300-...-F14-X								140	–	50,1	M16	–			
DFPD-2300-...-F16-X		165						–	62,9	M20	–				

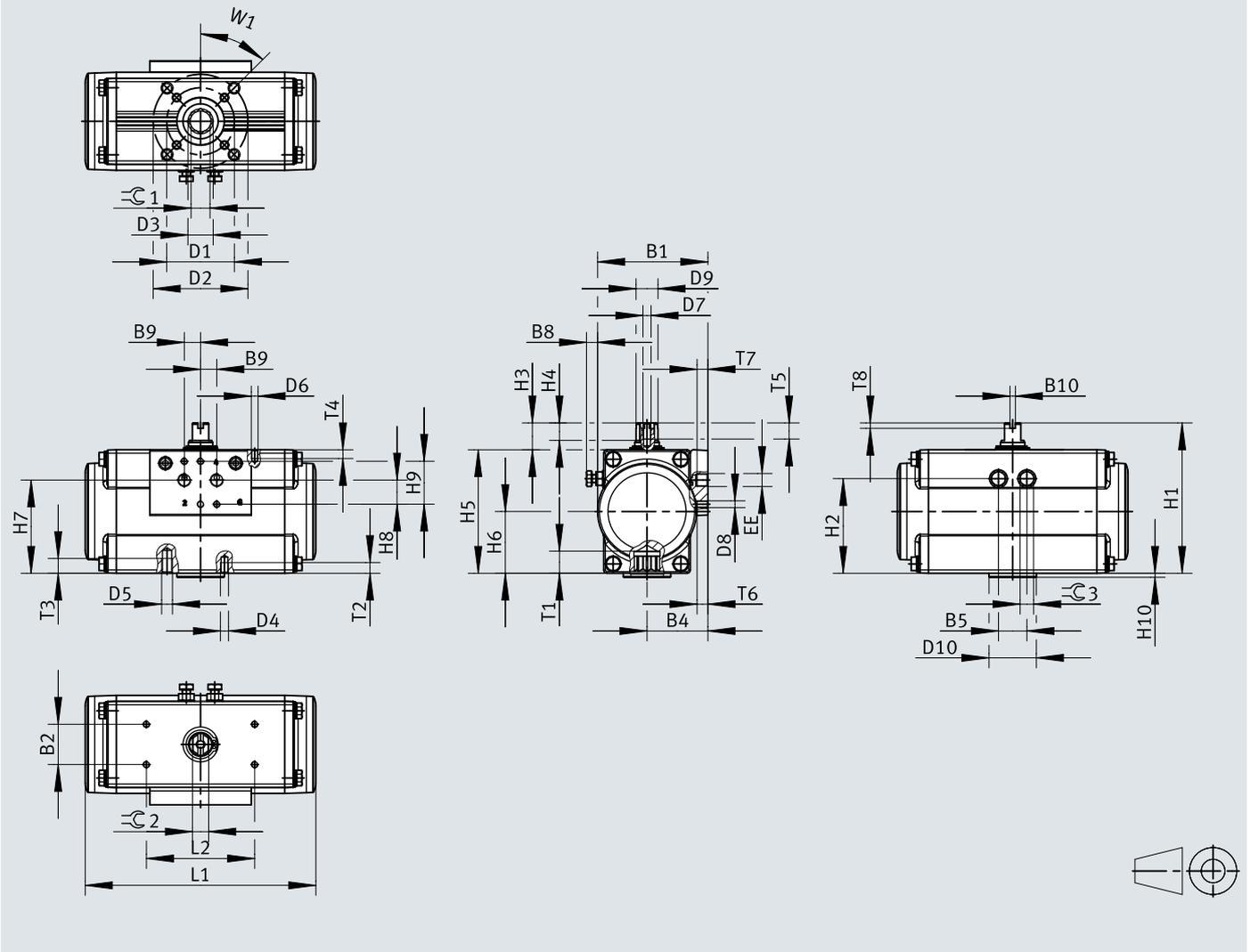
	D7	D8	D9 ∅ ±0,1	EE	H1	H2	H3 -0,5	H4	H5	H6	H7	H8 ±0,1	H9		
DFPD-700-...-F10/12	M6	M5	41	G 1/4 1/4 NPT	232,7	168	30	21	203	103	164,9	16	32		
DFPD-900-...-F10/12			44		252,7	182			223	113	178,3				
DFPD-900-...-F14			50		275,7	204			246	125	199,6				
DFPD-1200-...-F10/12			64		G 1/2 1/2 NPT	338,7			253	19	309			157	252,3
DFPD-1200-...-F14															250
DFPD-2300-...-F12/16		M6	64	G 1/2 1/2 NPT	338,7	253	19	309	157	250	22,5	45			
DFPD-2300-...-F14										250	22,5	45			
DFPD-2300-...-F12/16-X										250	22,5	45			
DFPD-2300-...-F14-X										250	22,5	45			

	L1	L2 ±0,1	T1 min.	T2	T3	T4	T5	T6	T7	T8 +0,5	≈C 1 H11	≈C 2 h11	≈C 3	W1				
DFPD-700-...-F10/12	428,2	80	29,7	15	18	8	14	8	12	4	27	30	21	45°				
DFPD-900-...-F10/12	469,6	130	30,2	15,5	18,5	8,5					14	8	12		4	36	32	24
DFPD-900-...-F14			40,2	24,5	–											27	36	
DFPD-1200-...-F10/12	519,3	130	31	15,5	18,5	8,5					14	8	12		4	27		36
DFPD-1200-...-F14			40	24,5	–											36	36	
DFPD-2300-...-F12/16	636	130	50	18,5	30	8,5		14	12	16	4	36/46	36		30			
DFPD-2300-...-F14			40	24,5	–													
DFPD-2300-...-F12/16-X			50	18,5	30													
DFPD-2300-...-F14-X			40	24,5	–													
DFPD-2300-...-F16-X			50	30	–													

Dimensions

Dimensions – DFPD-C single-acting, size 20 ... 480

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Dimensions

	B1	B2 ±0,1	B4	B5	B8	B9	B10	D1 ∅	D2 ∅	D3 ∅	D4	D5	D6	D7	
DFPD-20-...-F03	68,5	30	38,5	19	9,2	12	4	36	-	12	M5	-	M5	M6	
DFPD-20-...-F04								42		14,6					M6
DFPD-20-...-F05								50							
DFPD-40-...-F0407	81,5		45	21	8,2			42	18,7	M5					
DFPD-40-...-F0507			53	26	9			50	70	23,3	M6	M8			
DFPD-80-...-F0507	99		60,5	32	12,3			70	102	30	M8	M10			
DFPD-120-...-F0507	111,5		63,5	36	13,4					30,3					
DFPD-160-...-F0710	120		71,5	41	18,5					30					
DFPD-240-...-F0710	135,5		74,5	46	17			102	125	37,4	M10	M12			
DFPD-300-...-F0710	144		83	52	19,3										
DFPD-480-...-F1012	163														

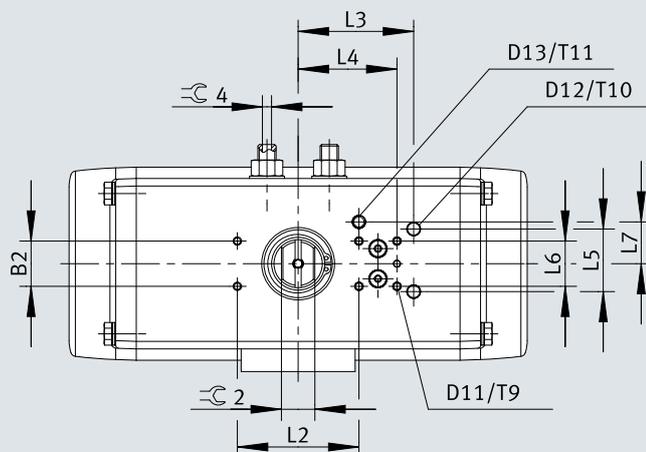
	D8	D9 ∅	D10	EE	H1	H2	H3 min.	H3 max.	H4 +0,1	H5	H6	H7	H8 ±0,1	H9	H10
DFPD-20-...-F03	M5	12,7	-	G1/8 1/8 NPT	100	59,75	19,5	20,4	10	80	40	57,5	17	32	-
DFPD-20-...-F04			30												
DFPD-20-...-F05			-												
DFPD-40-...-F0407		16,2	35	112	70,5	20,3	13	92	46	67,5					
DFPD-40-...-F0507			20,2	130	86			110	55	86,5	18				
DFPD-80-...-F0507		22,5	55	143	97,75	20,4	19,5	123	61,5	98,4					
DFPD-120-...-F0507		25,5		154	106,25			134	67	109,4					
DFPD-160-...-F0710		31,8	70	180	120,5	29,4	30,3	19,5	150	75	120,2	16			
DFPD-240-...-F0710			192	131	162				81	132,1					
DFPD-300-...-F0710		38	85	214	149,5	29,3	184	92	152,5						
DFPD-480-...-F1012															

	L1	L2	T1 min.	T2 min.	T3 min.	T4 min.	T5 min.	T6	T7 min.	T8 +0,5	W1	≈C 1 H11	≈C 2 h11	≈C 3					
DFPD-20-...-F03	145,7	80	10	8	-	8	12	8	8	4	45°	9	9	10					
DFPD-20-...-F04			12	9								11							
DFPD-20-...-F05			8	14								12							
DFPD-40-...-F0407	170,4		16	9	12				8			12	8		12	4	17	15	13
DFPD-40-...-F0507			19	12	15				19										
DFPD-80-...-F0507	233,1		24	12	15				22			22	16						
DFPD-120-...-F0507	252,3		29	15	18				27			27	18						
DFPD-160-...-F0710	270,9			22	22				21										
DFPD-240-...-F0710	301,4																		
DFPD-300-...-F0710	334,4																		
DFPD-480-...-F1012	374,2																		

Dimensions

Dimensions – DFPD-C single-acting, size 20 ... 480, variant VDE2

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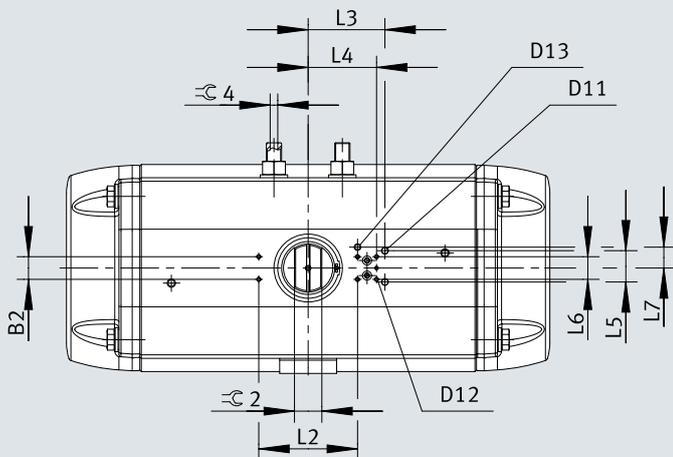


	B2	L2	≅G2 h11	-C	-VDE2										
				≅G4	D11	D12 ø	D13	L3 ±0,1	L4 ±0,1	L5	L6	L7	T9	T10	T11
DFPD-10-F03	30	80	9	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-10-F04	30	80	9	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-20-F03	30	80	9	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-20-F04	30	80	9	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-20-F05	30	80	9	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-40-F04	30	80	12	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-40-F05	30	80	12	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-40-120-F05	30	80	12	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-40-135-F05	30	80	12	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-40-180-F05	30	80	12	3	-	-	-	-	-	-	-	-	-	-	-
DFPD-80-F05	30	80	15	4	M5	-	-	76	65	-	30	-	10	-	-
DFPD-120-F05	30	80	15	4	M5	-	-	76	65	-	30	-	10	-	-
DFPD-120-120-F05	30	80	15	4	M5	-	-	76	65	-	30	-	10	-	-
DFPD-120-135-F05	30	80	15	4	M5	-	-	76	65	-	30	-	10	-	-
DFPD-120-180-F05	30	80	15	4	M5	-	-	76	65	-	30	-	10	-	-
DFPD-160-F07	30	80	19	5	M5	-	-	76	65	-	30	-	10	-	-
DFPD-240-F07	30	80	22	6	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-240-120-F07	30	80	22	6	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-240-135-F07	30	80	22	6	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-240-180-F07	30	80	22	6	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-300-F07	30	80	22	6	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-480-F10	30	80	27	8	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-480-120-F10	30	80	27	8	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-480-135-F10	30	80	27	8	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5
DFPD-480-180-F10	30	80	27	8	M5	8	M8	76	65	41,5	30	27,7	10	12	12,5

Dimensions

Dimensions – DFPD-C single-acting, size 700 ... 2300

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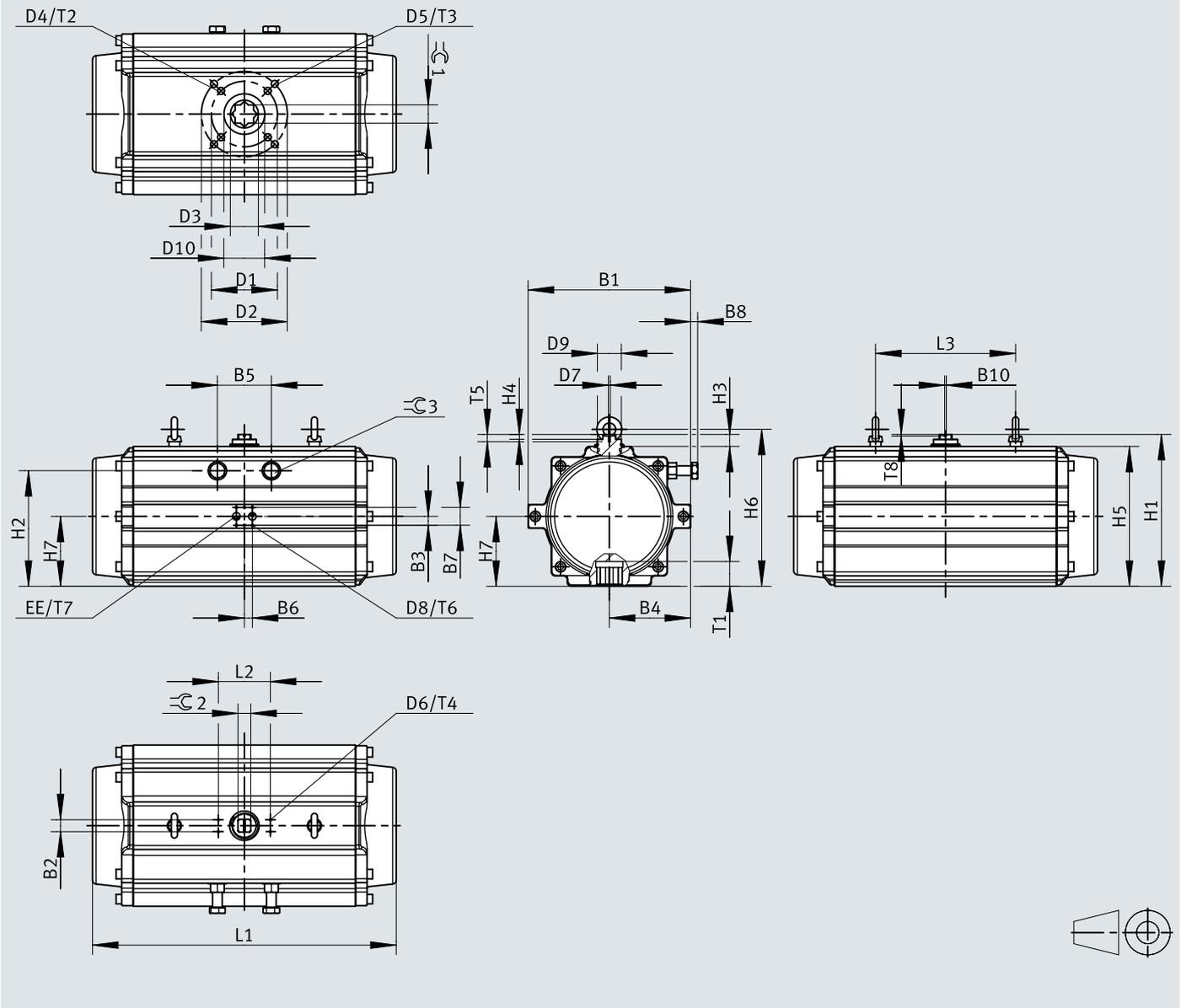


	B2 ±0,1	L2 ±0,1	⌀2 h11	-C	-VDE2	D12	D13	L3 ±0,1	L4 ±0,1	L5 ±0,2	L6 ±0,1	L7 ±0,1
				⌀4	D11 ∅							
DFPD-700-F10/12	30	80	30	8	8	M5	M8	76	40	41,5	30	27,7
DFPD-700-180-F10/12	30	130	30	8	8	M5	M8	76	40	41,5	30	27,7
DFPD-900-F10/12	30	130	32	8	8	M5	M8	76	40	41,5	30	27,7
DFPD-900-F14	30	130	32	8	8	M5	M8	76	40	41,5	30	27,7
DFPD-1200-F10/12	30	130	36	8	8	M5	M8	76	40	41,5	30	27,7
DFPD-1200-F14	30	130	36	8	8	M5	M8	76	40	41,5	30	27,7
DFPD-2300-F12/16	30	130	36	10	8	M5	M8	101	65	41,5	30	27,7
DFPD-2300-F14	30	130	36	10	8	M5	M8	101	65	41,5	30	27,7
DFPD-2300-F16	30	130	36	10	8	M5	M8	101	65	41,5	30	27,7
DFPD-2300-...-X-F12/16	30	130	36	10	8	M5	M8	101	65	41,5	30	27,7
DFPD-2300-...-X-F14	30	130	36	10	8	M5	M8	101	65	41,5	30	27,7
DFPD-2300-...-X-F16	30	130	36	10	8	M5	M8	101	65	41,5	30	27,7

Dimensions

Dimensions – DFPD, gear rack/pinion, size 3500/4500

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Dimensions

	B1	B2	B3	B4	B5	B6	B7	B8 max.	B10	D1 ∅	D2 ∅	D3 ∅	D4	D5
DFPD-3500-RP-...	294	30	22,5	147	120	20	45	29,5	4	–	165	69	–	M20
DFPD-4500-RP-...	406	30	22,5	203	135	20	45	7,8	4	165	215	70	M20	M20

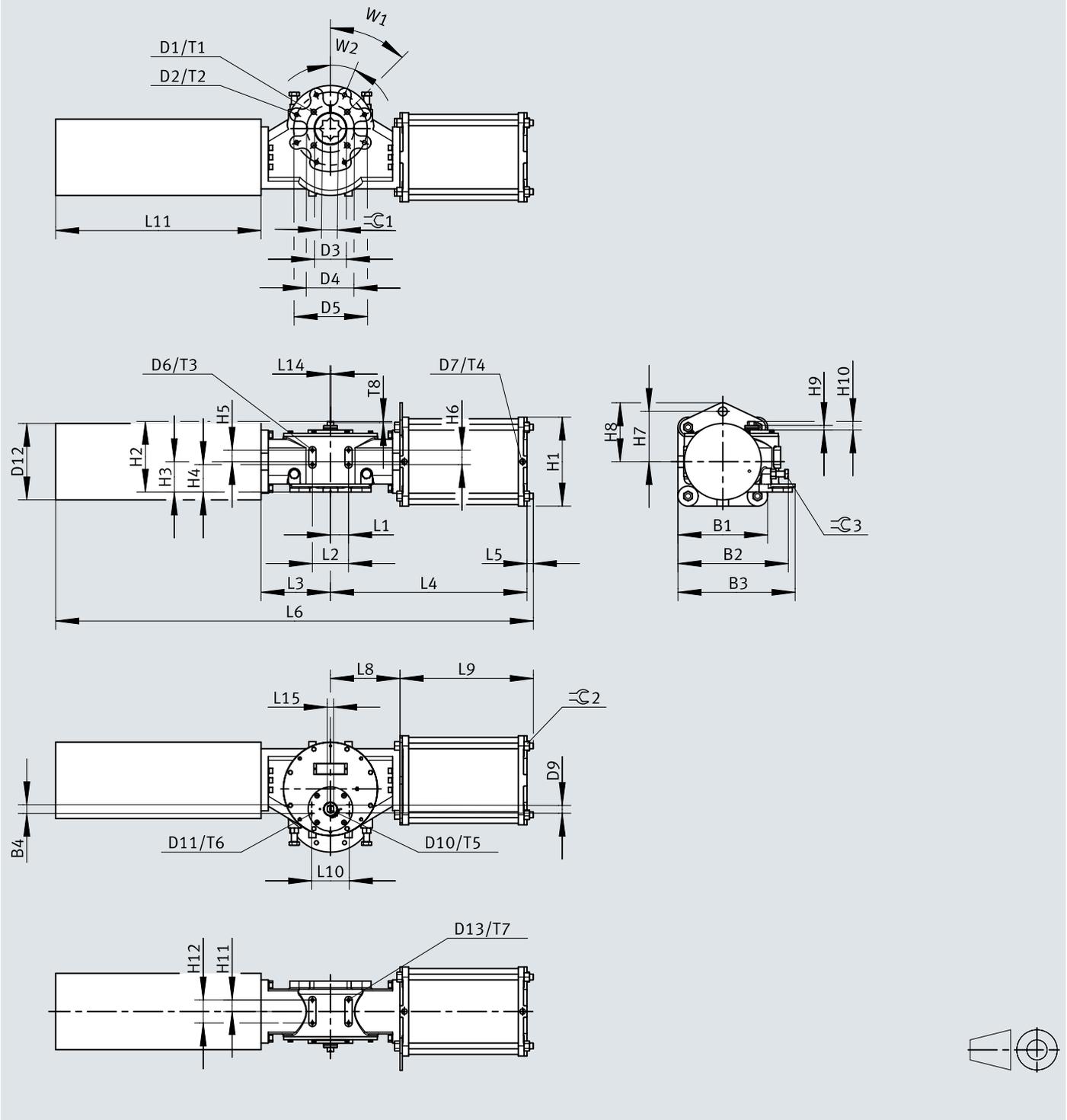
	D6	D7	D8	D9 ∅	D10 ∅	EE	H1	H2	H3	H4	H5	H6	H7	L1
DFPD-3500-RP-...	M5	M6	M6	60	118	G1/2	362	276	30	11,8	332	371,6	166	727
DFPD-4500-RP-...	M5	M6	M6	60	102	G1/2	382,3	291,1	30	11,8	352,3	397,3	176,1	759

	L2	L3	T1	T2	T3	T4	T5	T6	T7	T8	≈G 1	≈G 2	≈G 3
DFPD-3500-RP-...	130	320	52,5	–	25	8	12	10	14	4	46	32	30
DFPD-4500-RP-...	130	350	62,3	25	25	8	12	10	14	4	46	32	36

Dimensions

Dimensions – DFPD single-acting, Scotch yoke system

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Dimensions

	B1	B2	B3	B4	D1	D2	D3	D4	D5	D6	D7	D9	D10	D11	D12	D13	H1	H2
		max.					∅	∅	∅			∅			∅			
DFPD-3500-SY-...-S30-...	280	334	305	30	M20	-	90	165	-	M12	G1/2"	27	M6	M5	245	M12	280	238
DFPD-3500-SY-...-S40-...	280	334	305	30	M20	-	90	165	-	M12	G1/2"	27	M6	M5	245	M12	280	238
DFPD-3500-SY-...-S50-...	280	334	305	30	M20	-	90	165	-	M12	G1/2"	27	M6	M5	245	M12	280	238
DFPD-3500-SY-...-S60-...	280	334	305	30	M20	-	90	165	-	M12	G1/2"	27	M6	M5	299	M12	280	238
DFPD-4500-SY-...-S30-...	280	366	390	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	245	M12	280	246
DFPD-4500-SY-...-S40-...	280	366	390	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	245	M12	280	246
DFPD-4500-SY-...-S50-...	280	366	390	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	266	M12	280	246
DFPD-4500-SY-...-S60-...	280	366	390	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	270	M12	280	246
DFPD-6500-SY-...-S30-...	310	381,5	405	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	245	M12	310	246
DFPD-6500-SY-...-S40-...	310	381,5	405	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	266	M12	310	246
DFPD-6500-SY-...-S50-...	310	381,5	405	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	266	M12	310	246
DFPD-6500-SY-...-S60-...	310	381,5	405	30	M20	M16	110	165	254	M12	G1/2"	27	M6	M5	299	M12	310	246
DFPD-9500-SY-...-S30-...	430	435	457	30	M20	M16	110	165	254	M12	G3/4"	27	M6	M5	266	M12	430	246
DFPD-9500-SY-...-S40-...	430	435	457	30	M20	M16	110	165	254	M12	G3/4"	27	M6	M5	299	M12	430	246
DFPD-9500-SY-...-S50-...	430	435	457	30	M20	M16	110	165	254	M12	G3/4"	27	M6	M5	320	M12	430	246
DFPD-9500-SY-...-S60-...	430	435	457	30	M20	M16	110	165	254	M12	G3/4"	27	M6	M5	320	M12	430	246

	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12	L1	L2	L3	L4	L5	L6	L8	L9
DFPD-3500-SY-...-S30-...	103	93	40	50	183	223	16	30	40	80	62,5	125	208	565	20	1386	210	375
DFPD-3500-SY-...-S40-...	103	93	40	50	183	223	16	30	40	80	62,5	125	208	565	20	1386	210	375
DFPD-3500-SY-...-S50-...	103	93	40	50	183	223	16	30	40	80	62,5	125	208	565	20	1416	210	375
DFPD-3500-SY-...-S60-...	103	93	40	50	183	223	16	30	40	80	62,5	125	208	565	20	1446	210	375
DFPD-4500-SY-...-S30-...	106	96	40	50	183	223	16	30	40	80	62,5	125	240	634	20	1588	240	420
DFPD-4500-SY-...-S40-...	106	96	40	50	183	223	16	30	40	80	62,5	125	240	634	20	1588	240	420
DFPD-4500-SY-...-S50-...	106	96	40	50	183	223	16	30	40	80	62,5	125	240	634	20	1588	240	420
DFPD-4500-SY-...-S60-...	106	96	40	50	183	223	16	30	40	80	62,5	125	240	634	20	1604	240	420
DFPD-6500-SY-...-S30-...	106	96	40	50	197	237	16	30	40	80	62,5	125	240	636	20	1594	240	420
DFPD-6500-SY-...-S40-...	106	96	40	50	197	237	16	30	40	80	62,5	125	240	636	20	1594	240	420
DFPD-6500-SY-...-S50-...	106	96	40	50	197	237	16	30	40	80	62,5	125	240	636	20	1610	240	420
DFPD-6500-SY-...-S60-...	106	96	40	50	197	237	16	30	40	80	62,5	125	240	636	20	1610	240	420
DFPD-9500-SY-...-S30-...	106	96	40	50	241	291	16	30	40	80	62,5	125	240	632	21	1610	240	405
DFPD-9500-SY-...-S40-...	106	96	40	50	241	291	16	30	40	80	62,5	125	240	632	21	1610	240	405
DFPD-9500-SY-...-S50-...	106	96	40	50	241	291	16	30	40	80	62,5	125	240	632	21	1640	240	405
DFPD-9500-SY-...-S60-...	106	96	40	50	241	291	16	30	40	80	62,5	125	240	632	21	1670	240	405

	L10	L11	L12	L13	L14	L15	T1	T2	T3	T4	T5	T6	T7	T8	⊕ 1	⊕ 2	⊕ 3
DFPD-3500-SY-...-S30-...	80	592	62,5	125	4	22	30	-	18	16	9	8	18	4	46	28,5	30
DFPD-3500-SY-...-S40-...	80	592	62,5	125	4	22	30	-	18	16	9	8	18	4	46	28,5	30
DFPD-3500-SY-...-S50-...	80	622	62,5	125	4	22	30	-	18	16	9	8	18	4	46	28,5	30
DFPD-3500-SY-...-S60-...	80	652	62,5	125	4	22	30	-	18	16	9	8	18	4	46	28,5	30
DFPD-4500-SY-...-S30-...	130	696	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-4500-SY-...-S40-...	130	696	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-4500-SY-...-S50-...	130	696	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-4500-SY-...-S60-...	130	712	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-6500-SY-...-S30-...	130	696	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-6500-SY-...-S40-...	130	696	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-6500-SY-...-S50-...	130	712	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-6500-SY-...-S60-...	130	712	62,5	125	4	22	30	24	18	16	9	8	18	4	55	28,5	30
DFPD-9500-SY-...-S30-...	130	712	62,5	125	4	22	30	24	18	17	9	8	18	4	55	23	30
DFPD-9500-SY-...-S40-...	130	712	62,5	125	4	22	30	24	18	17	9	8	18	4	55	23	30
DFPD-9500-SY-...-S50-...	130	742	62,5	125	4	22	30	24	18	17	9	8	18	4	55	23	30
DFPD-9500-SY-...-S60-...	130	772	62,5	125	4	22	30	24	18	17	9	8	18	4	55	23	30

Dimensions

	B1	B2 max.	B3	B4	D1	D2	D3 ∅	D4 ∅	D5 ∅	D6	D7	D8 ∅	D9 ∅	D10
DFPD-3500-SY-...-D-...	280	334	305	30	M20	-	90	165	-	M12	G1/2"	206	27	M6
DFPD-4500-SY-...-D-...	280	366	390	30	M20	M16	110	165	254	M12	G1/2"	220	27	M6
DFPD-6500-SY-...-D-...	310	381,5	405	30	M20	M16	110	165	254	M12	G1/2"	220	27	M6
DFPD-9500-SY-...-D-...	430	435	457	30	M20	M16	110	165	254	M12	G3/4"	220	27	M6

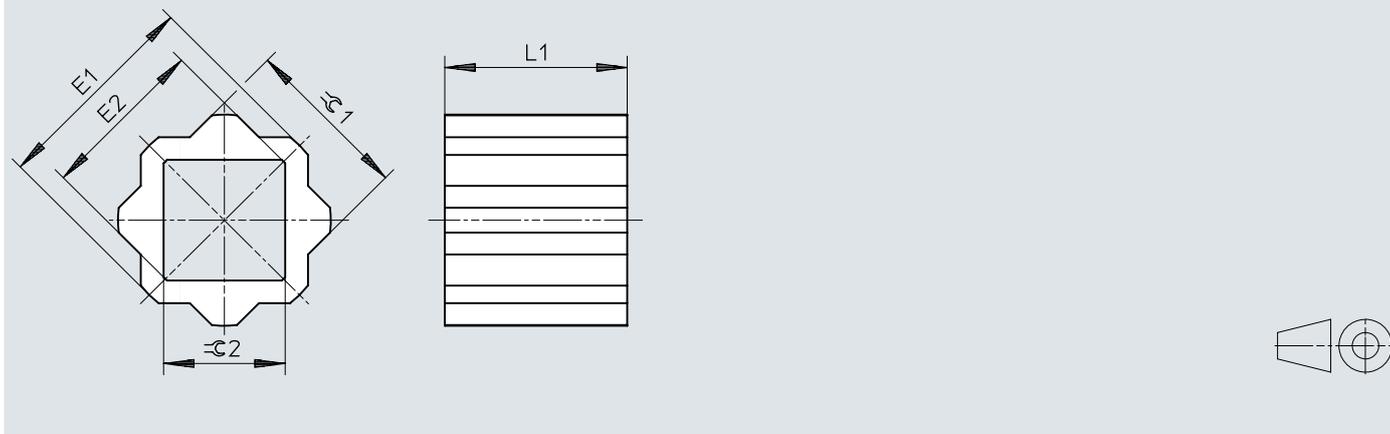
	D11	D13	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12
DFPD-3500-SY-...-D-...	M5	M12	280	238	103	93	40	50	183	223	16	30	40	80
DFPD-4500-SY-...-D-...	M5	M12	280	246	106	96	40	50	183	223	16	30	40	80
DFPD-6500-SY-...-D-...	M5	M12	310	246	106	96	40	50	197	237	16	30	40	80
DFPD-9500-SY-...-D-...	M5	M12	430	246	106	96	40	50	241	291	16	30	40	80

	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L12	L13	L14
DFPD-3500-SY-...-D-...	62,5	125	208	565	20	803	217	210	375	80	62,5	125	4
DFPD-4500-SY-...-D-...	62,5	125	240	634	20	903	251	240	420	130	62,5	125	4
DFPD-6500-SY-...-D-...	62,5	125	240	636	20	909	251	240	420	130	62,5	125	4
DFPD-9500-SY-...-D-...	62,5	125	240	632	21	909	251	240	405	130	62,5	125	4

	L15	T1	T2	T3	T4	T5	T6	T7	T8	⊕ 1	⊕ 2	⊕ 3	⊕ 4
DFPD-3500-SY-...-D-...	22	30	-	18	16	9	8	18	4	46	28,5	30	13
DFPD-4500-SY-...-D-...	22	30	24	18	16	9	8	18	4	55	28,5	30	13
DFPD-6500-SY-...-D-...	22	30	24	18	16	9	8	18	4	55	28,5	30	13
DFPD-9500-SY-...-D-...	22	30	24	18	17	9	8	18	4	55	23	30	13

Dimensions

Dimensions – Reducing sleeve DARQ

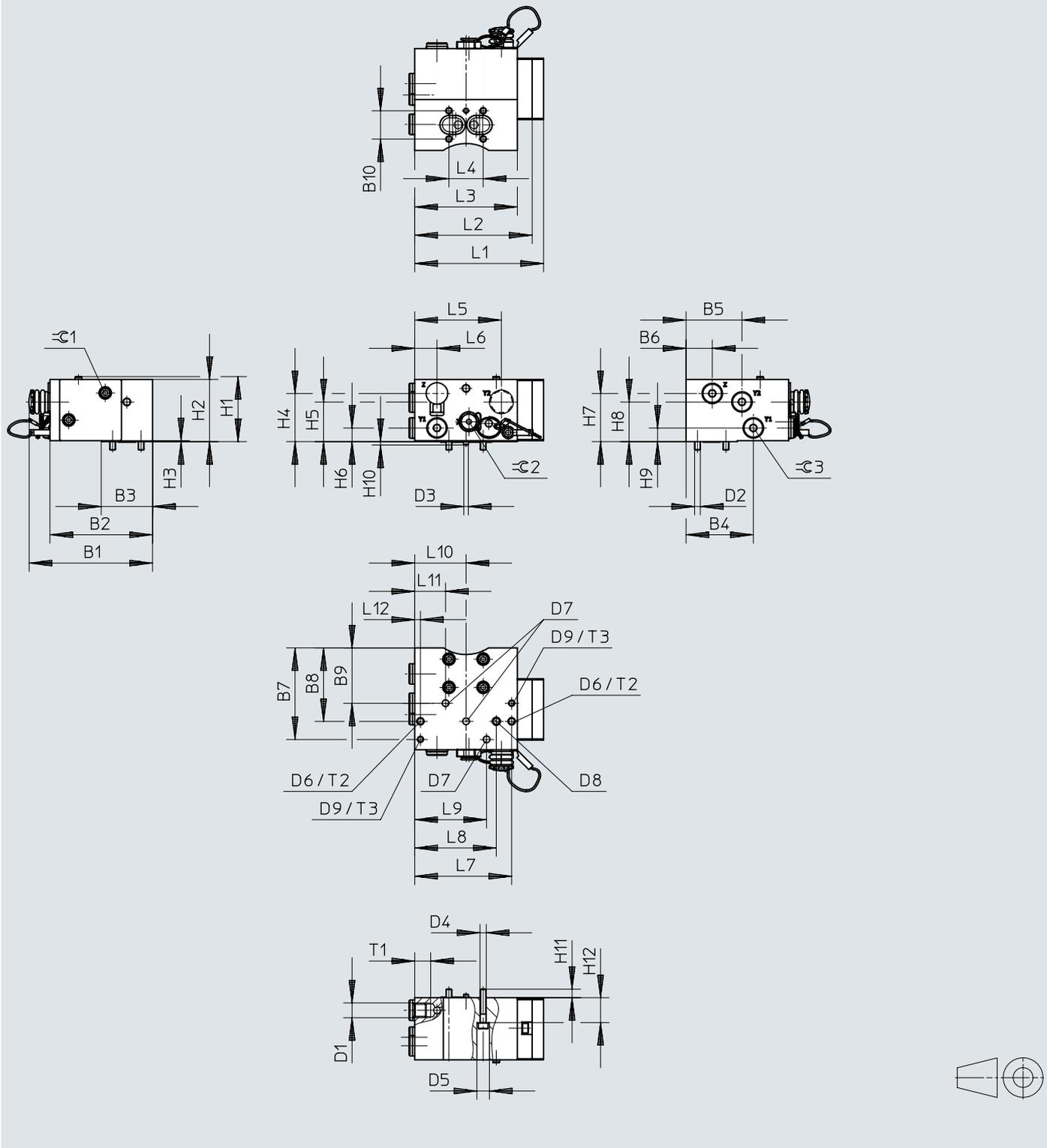
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	E1 +0,1/-0,3	E2 +0,3/-0,1	L1 ±0,2	∅ 1 -0,02/-0,12	∅ 2 +0,04/+0,18
DARQ-R-A-S11-S8-...	14	11	12	11	8
DARQ-R-A-S11-S9-...	14	12,3	11	11	9
DARQ-R-A-S14-S8-...	18	11	16	14	8
DARQ-R-A-S14-S9-...	18	12,3	16	14	9
DARQ-R-A-S14-S10-...	18	13,3	16	14	10
DARQ-R-A-S14-S11-...	18	14,3	16	14	11
DARQ-R-A-S14-S12-...	18	16,3	16	14	12
DARQ-R-A-S17-S8-...	22	11	17	17	8
DARQ-R-A-S17-S11-...	22	14,3	17	17	11
DARQ-R-A-S17-S12-...	22	16,3	17	17	12
DARQ-R-A-S17-S14-...	22	18,3	17	17	14
DARQ-R-A-S22-S11-...	28	14,3	22	22	11
DARQ-R-A-S22-S14-...	28	18,3	22	22	14
DARQ-R-A-S22-S16-...	28	21,3	22	22	16
DARQ-R-A-S22-S17-...	28	22,3	22	22	17
DARQ-R-A-S27-S17-...	36	22,3	27	27	17
DARQ-R-A-S27-S22-...	36	28,5	27	27	22
DARQ-R-A-S36-S27-...	48	36,1	36	36	27
DARQ-R-A-S46-S36-...	59	48	46	46	36

Dimensions

Dimensions – Control plate DADG-FM-F9-VDE2

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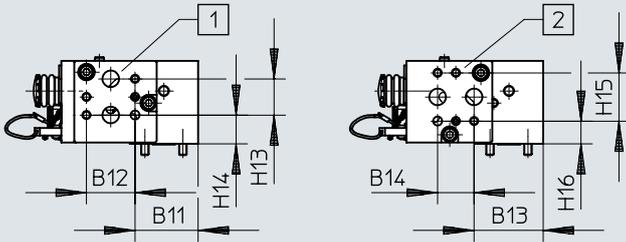
Dimensions

	B1 max.	B2	B3	B4	B5	B6	B7	B8	B9	B10	D1	D2
DADG-FM-F9-VDE2	115	90	45	59	49	23	81	65	49	25	G1/4	M5
	D3 ∅ m6	D4 ∅	D5 ∅	D6	D7 ∅	D8 ∅ m6	D9	H1	H2	H3	H4	H5
DADG-FM-F9-VDE2	4	11	5,5	M6	6	6	M5	57,5	55	0,8	42,5	35
	H6	H7	H8	H9	H10	H11	H12	L1	L2	L3	L4	L5
DADG-FM-F9-VDE2	12	42,5	35	12	3	7,4	22	113	103	90	30	76
	L6	L7	L8	L9	L10	L11	T1	T2	T3	≈ 1	≈ 2	≈ 3
DADG-FM-F9-VDE2	19,5	85	71,5	63	45	27	14	10	10	9	14	9

Dimensions

Dimensions – Adapter kit DADG-FM-F9-VDE2

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[1] VDI/VDE 3845

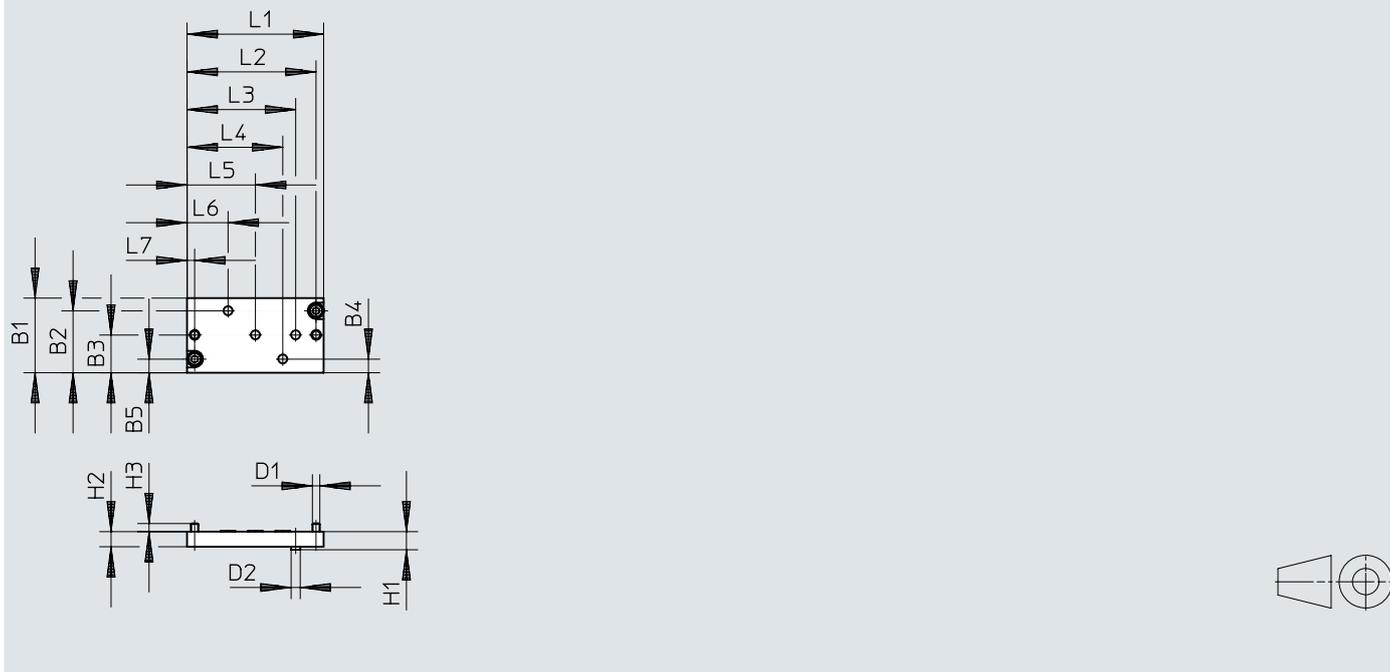
[2] VDI/VDE 3845 rotated 90°

	B11	B12	B13	B14	H13	H14	H15	H16
DADG-FM-F9-VDE2	41,5	32	45,5	24	24	19	32	14,8

Dimensions

Dimensions – Adapter kit DADG-AK-F9-1

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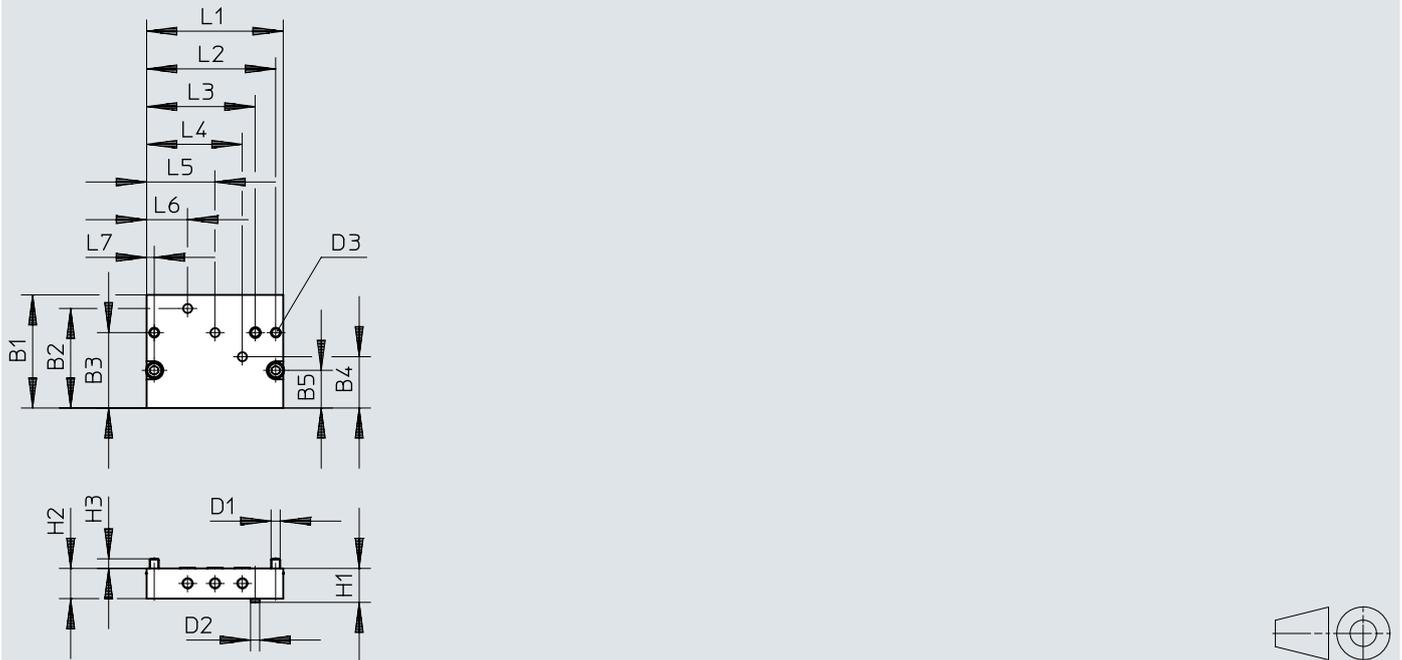


	B1	B2	B3	B4	B5	D1	D2 ∅	H1	H2
DADG-AK-F9-1	49,5	41	25	9	9	M5	6	12	10
	H3	L1	L2	L3	L4	L5	L6	L7	
DADG-AK-F9-1	2	90	85	71,5	63	45	27	5	

Dimensions

Dimensions – Adapter kit DADG-AK-F9-2

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	B1	B2	B3	B4	B5	D1	D2 ∅ m6	D3	H1
DADG-AK-F9-2	75	66	50	34	25	M6	6	M6	22,5
	H2	H3	L1	L2	L3	L4	L5	L6	L7
DADG-AK-F9-2	20	6,3	90	85	71,5	63	45	27	5

Ordering data

Quarter-turn actuators DFPD, double-acting										
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type				
	10	G1/8	965 g	90 deg	8047613	DFPD-10-RP-90-RD-F03				
					8048010	DFPD-10-RP-90-RD-F04				
		1/8 NPT			8066400	DFPD-N-10-RP-90-RD-F03				
					8066401	DFPD-N-10-RP-90-RD-F04				
	20	G1/8	1,275 g	90 deg	8047614	DFPD-20-RP-90-RD-F04				
					8048011	DFPD-20-RP-90-RD-F05				
					8074669	DFPD-20-RP-90-RD-F03				
		1/8 NPT			8066402	DFPD-N-20-RP-90-RD-F04				
					8066403	DFPD-N-20-RP-90-RD-F05				
					8047615	DFPD-40-RP-90-RD-F0507				
	40	G1/8	1,882 g	120 deg	8065338	DFPD-40-RP-120-RD-F0507				
				135 deg	8065337	DFPD-40-RP-135-RD-F0507				
				180 deg	8065336	DFPD-40-RP-180-RD-F0507				
				1/8 NPT	90 deg	8066404	DFPD-N-40-RP-90-RD-F0507			
					120 deg	8068196	DFPD-N-40-RP-120-RD-F0507			
					135 deg	8068195	DFPD-N-40-RP-135-RD-F0507			
		60	G1/8	2,792 g	90 deg	8083510	DFPD-60-RP-90-RD-F0507			
						8083516	DFPD-N-60-RP-90-RD-F0507			
						1/8 NPT	8047616	DFPD-80-RP-90-RD-F0507		
			8066405				DFPD-N-80-RP-90-RD-F0507			
			80				G1/8	3,308 g	90 deg	8048123
						8065341				DFPD-120-RP-120-RD-F0507
	8065340	DFPD-120-RP-135-RD-F0507								
	1/4 NPT	8065339		DFPD-120-RP-180-RD-F0507						
		4,872 g		90 deg	8066412	DFPD-N-120-RP-90-RD-F0507				
		6,250 g		120 deg	8068199	DFPD-N-120-RP-120-RD-F0507				
	120	G1/4	4,872 g	120 deg	8065340	DFPD-120-RP-135-RD-F0507				
				135 deg	8065340	DFPD-120-RP-135-RD-F0507				
				180 deg	8065339	DFPD-120-RP-180-RD-F0507				
				1/4 NPT	4,872 g	90 deg	8066412	DFPD-N-120-RP-90-RD-F0507		
					6,250 g	120 deg	8068199	DFPD-N-120-RP-120-RD-F0507		
					6,363 g	135 deg	8068198	DFPD-N-120-RP-135-RD-F0507		
		160	G1/4	6,082 g	90 deg	8048124	DFPD-160-RP-90-RD-F0710			
						8066413	DFPD-N-160-RP-90-RD-F0710			
						1/4 NPT	8048125	DFPD-240-RP-90-RD-F0710		
			10,939 g				120 deg	8065344	DFPD-240-RP-120-RD-F0710	
			11,139 g				135 deg	8065343	DFPD-240-RP-135-RD-F0710	
			240			G1/4	8,594 g	180 deg	8065342	DFPD-240-RP-180-RD-F0710
	1/4 NPT	8,594 g		90 deg	8066414			DFPD-N-240-RP-90-RD-F0710		
		10,939 g		120 deg	8068202			DFPD-N-240-RP-120-RD-F0710		
		11,139 g		135 deg	8068201			DFPD-N-240-RP-135-RD-F0710		
	700	G1/4		11,224 g	90 deg			8048126	DFPD-300-RP-90-RD-F0710	
8066415								DFPD-N-300-RP-90-RD-F0710		
1/4 NPT						8048127	DFPD-480-RP-90-RD-F1012			
		20,653 g				120 deg	8065347	DFPD-480-RP-120-RD-F1012		
		21,013 g				135 deg	8065346	DFPD-480-RP-135-RD-F1012		
480		G1/4				16,025 g	180 deg	8065345	DFPD-480-RP-180-RD-F1012	
	1/4 NPT			16,025 g	90 deg		8066416	DFPD-N-480-RP-90-RD-F1012		
				20,653 g	120 deg		8068205	DFPD-N-480-RP-120-RD-F1012		
			21,013 g	135 deg	8068204		DFPD-N-480-RP-135-RD-F1012			
	900		G1/4	23,456 g	180 deg		8068203	DFPD-N-480-RP-180-RD-F1012		
							1/4 NPT	22,464 g	90 deg	8065261
		8068928				DFPD-N-700-RP-90-RD-F1012				
		1,200	G1/4			25,574 g		90 deg	8065265	DFPD-900-RP-90-RD-F14
							8068932		DFPD-N-900-RP-90-RD-F14	
							1/4 NPT		8065269	DFPD-1200-RP-90-RD-F14
	2,300	G1/4	35,834 g	8068936	DFPD-N-1200-RP-90-RD-F14					
				1/4 NPT	64,900 g				90 deg	8065273

Ordering data

Quarter-turn actuators DFPD, double-acting						
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type
	2,300	1/4 NPT	64,900 g	90 deg	8068940	DFPD-N-2300-RP-90-RD-F1216
	3,500	G1/2	75,500 g		8211834	DFPD-3500-RP-90-RD-F16
			92,000 g		8211838	DFPD-3500-SY-Y-90-RD-F16
	4,500	G1/2	109,000 g		8211839	DFPD-4500-RP-90-RD-F16
			139,000 g		8211837	DFPD-4500-SY-Y-90-RD-F1625
	6,500	G1/2	129,000 g		8211836	DFPD-6500-SY-Y-90-RD-F1625
	9,500		G3/4		153,000 g	8211835

Quarter turn actuators DFPD, double-acting, epoxy-coated						
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type
	10	G1/8	965 g	90 deg	8048012	DFPD-10-RP-90-RD-F04-R3-EP
		1/8 NPT			8047617	DFPD-10-RP-90-RD-F03-R3-EP
					8066406	DFPD-N-10-RP-90-RD-F03-R3-EP
					8066407	DFPD-N-10-RP-90-RD-F04-R3-EP
	20	G1/8	1,275 g		8048013	DFPD-20-RP-90-RD-F05-R3-EP
		1/8 NPT			8047618	DFPD-20-RP-90-RD-F04-R3-EP
					8066408	DFPD-N-20-RP-90-RD-F04-R3-EP
					8066409	DFPD-N-20-RP-90-RD-F05-R3-EP
	40	G1/8	1,882 g		8047619	DFPD-40-RP-90-RD-F0507-R3-EP
		1/8 NPT			8066410	DFPD-N-40-RP-90-RD-F0507-R3-EP
					8066429	DFPD-N-40-RP-90-RS30-F0507
					8083511	DFPD-60-RP-90-RD-F0507-R3-EP
	60	G1/8	2,792 g		8047620	DFPD-80-RP-90-RD-F0507-R3-EP
	80		1/8 NPT		3,308 g	8066411
	120	G1/4			4,872 g	8048128
		1/4 NPT	8066417			DFPD-N-120-RP-90-RD-F0507-R3-EP
	160	G1/4	6,082 g		8048129	DFPD-160-RP-90-RD-F0710-R3-EP
		1/4 NPT			8066418	DFPD-N-160-RP-90-RD-F0710-R3-EP
	240	G1/4	8,594 g		8048130	DFPD-240-RP-90-RD-F0710-R3-EP
		1/4 NPT			8066419	DFPD-N-240-RP-90-RD-F0710-R3-EP
	300	G1/4	11,224 g		8048131	DFPD-300-RP-90-RD-F0710-R3-EP
		1/4 NPT			8066420	DFPD-N-300-RP-90-RD-F0710-R3-EP
	480	G1/4	16,025 g		8048132	DFPD-480-RP-90-RD-F1012-R3-EP
		1/4 NPT			8066421	DFPD-N-480-RP-90-RD-F1012-R3-EP
	700	G1/4	22,464 g		8065263	DFPD-700-RP-90-RD-F1012-R3-EP
		1/4 NPT			8068930	DFPD-N-700-RP-90-RD-F1012-R3-EP
	900	G1/4	25,574 g		8065267	DFPD-900-RP-90-RD-F14-R3-EP
		1/4 NPT			8068934	DFPD-N-900-RP-90-RD-F14-R3-EP
	1,200	G1/4	35,834 g		8065271	DFPD-1200-RP-90-RD-F14-R3-EP
		1/4 NPT			8068938	DFPD-N-1200-RP-90-RD-F14-R3-EP
	2,300	G1/4	64,900 g		8065275	DFPD-2300-RP-90-RD-F1216-R3-EP
		1/4 NPT			8068942	DFPD-N-2300-RP-90-RD-F1216-R3-EP

Quarter turn actuators DFPD, single-acting						
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type
	20	G1/8	1,371 g	90 deg	8047621	DFPD-20-RP-90-RS30-F04
			1,411 g		8047644	DFPD-20-RP-90-RS30-F03
					8048014	DFPD-20-RP-90-RS30-F05
			1,419 g		8071603	DFPD-20-RP-90-RS55-F03
					8047622	DFPD-20-RP-90-RS60-F04
			8048015		DFPD-20-RP-90-RS60-F05	
	1/8 NPT	8047645	DFPD-20-RP-90-RS60-F03			
		8066424	DFPD-N-20-RP-90-RS30-F05			

Ordering data

Quarter turn actuators DFPD, single-acting							
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type	
	20	1/8 NPT	1,371 g	90 deg	8066423	DFPD-N-20-RP-90-RS30-F04	
			1,419 g		8066422	DFPD-N-20-RP-90-RS30-F03	
					8066425	DFPD-N-20-RP-90-RS60-F03	
					8066426	DFPD-N-20-RP-90-RS60-F04	
					8066427	DFPD-N-20-RP-90-RS60-F05	
	40	G1/8			2,087 g	8047623	DFPD-40-RP-90-RS30-F0507
					2,165 g	8047635	DFPD-40-RP-90-RS30-F04
					2,180 g	8071605	DFPD-40-RP-90-RS55-F04
						8071604	DFPD-40-RP-90-RS55-F0507
						8047636	DFPD-40-RP-90-RS60-F04
						8066428	DFPD-N-40-RP-90-RS30-F04
		1/8 NPT			2,087 g	8066430	DFPD-N-40-RP-90-RS60-F04
					2,180 g	8066431	DFPD-N-40-RP-90-RS60-F0507
	60	G1/8			3,100 g	8083512	DFPD-60-RP-90-RS30-F0507
					3,235 g	8245285	DFPD-60-RP-90-RS55-F04-11
					3,262 g	8083514	DFPD-60-RP-90-RS60-F0507
		1/8 NPT				8083508	DFPD-60-RP-90-RS60-F04-11
						8083520	DFPD-N-60-RP-90-RS60-F04-11
	80	G1/8			3,746 g	8047625	DFPD-80-RP-90-RS30-F0507
					3,924 g	8071607	DFPD-80-RP-90-RS55-F0507
					3,960 g	8047626	DFPD-80-RP-90-RS60-F0507
		1/8 NPT			3,746 g	8066432	DFPD-N-80-RP-90-RS30-F0507
					3,960 g	8066433	DFPD-N-80-RP-90-RS60-F0507
	120	G1/4			5,422 g	8048133	DFPD-120-RP-90-RS30-F0507
					5,684 g	8071608	DFPD-120-RP-90-RS55-F0507
					5,736 g	8048144	DFPD-120-RP-90-RS60-F0507-R3-EP
						8048134	DFPD-120-RP-90-RS60-F0507
		1/4 NPT			5,422 g	8066446	DFPD-N-120-RP-90-RS30-F0507
					5,736 g	8066447	DFPD-N-120-RP-90-RS60-F0507
	160	G1/4			6,767 g	8048135	DFPD-160-RP-90-RS30-F0710
					7,110 g	8048145	DFPD-160-RP-90-RS30-F0710-R3-EP
					7,179 g	8151227	DFPD-160-RP-90-RS55-F0710
						8048136	DFPD-160-RP-90-RS60-F0710
		1/4 NPT			6,767 g	8066448	DFPD-N-160-RP-90-RS30-F0710
					7,179 g	8066449	DFPD-N-160-RP-90-RS60-F0710
	240	G1/4			9,442 g	8048137	DFPD-240-RP-90-RS30-F0710
					9,937 g	8151228	DFPD-240-RP-90-RS55-F0710
					10,036 g	8048138	DFPD-240-RP-90-RS60-F0710
		1/4 NPT			9,442 g	8066450	DFPD-N-240-RP-90-RS30-F0710
					10,036 g	8066451	DFPD-N-240-RP-90-RS60-F0710
300	G1/4		12,052 g	8048139	DFPD-300-RP-90-RS30-F0710		
			12,742 g	8151229	DFPD-300-RP-90-RS55-F0710		
			12,880 g	8048140	DFPD-300-RP-90-RS60-F0710		
	1/4 NPT		12,052 g	8066452	DFPD-N-300-RP-90-RS30-F0710		
			12,880 g	8066453	DFPD-N-300-RP-90-RS60-F0710		
480	G1/4		17,261 g	8048141	DFPD-480-RP-90-RS30-F1012		
			18,281 g	8151230	DFPD-480-RP-90-RS55-F1012		
			18,485 g	8048142	DFPD-480-RP-90-RS60-F1012		
	1/4 NPT		17,261 g	8066454	DFPD-N-480-RP-90-RS30-F1012		
			18,485 g	8066455	DFPD-N-480-RP-90-RS60-F1012		
700	G1/4		25,951 g	8151231	DFPD-700-RP-90-RS55-F1012		
			26,268 g	8065262	DFPD-700-RP-90-RS60-F1012		
	1/4 NPT		8068929	DFPD-N-700-RP-90-RS60-F1012			
900	G1/4			8084135	DFPD-900-RP-90-RS60-F1012		
				8065266	DFPD-900-RP-90-RS60-F14		
	1/4 NPT		8084139	DFPD-N-900-RP-90-RS60-F1012			

Ordering data

Quarter turn actuators DFPD, single-acting							
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type	
	900	1/4 NPT	30,395 g	90 deg	8068933	DFPD-N-900-RP-90-RS60-F14	
	1,200	G1/4	43,022 g		35,834 g	8065269	DFPD-1200-RP-90-RD-F14
					42,423 g	8151232	DFPD-1200-RP-90-RS55-F1012
					8084143	DFPD-1200-RP-90-RS60-F1012	
					8065270	DFPD-1200-RP-90-RS60-F14	
					8084147	DFPD-N-1200-RP-90-RS60-F1012	
	2,300	1/4 NPT	77,884 g		8068937	DFPD-N-1200-RP-90-RS60-F14	
					8065274	DFPD-2300-RP-90-RS60-F1216	
					8068941	DFPD-N-2300-RP-90-RS60-F1216	

Quarter turn actuators DFPD, single-acting, epoxy-coated						
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type
	20	G1/8	1,371 g	90 deg	8047646	DFPD-20-RP-90-RS30-F03-R3-EP
					8047627	DFPD-20-RP-90-RS30-F04-R3-EP
					8048016	DFPD-20-RP-90-RS30-F05-R3-EP
					8047628	DFPD-20-RP-90-RS60-F04-R3-EP
					8048017	DFPD-20-RP-90-RS60-F05-R3-EP
		8047647	DFPD-20-RP-90-RS60-F03-R3-EP			
		1/8 NPT	1,371 g		8066435	DFPD-N-20-RP-90-RS30-F04-R3-EP
					8066436	DFPD-N-20-RP-90-RS30-F05-R3-EP
					8066434	DFPD-N-20-RP-90-RS30-F03-R3-EP
					8066437	DFPD-N-20-RP-90-RS60-F03-R3-EP
	8066439				DFPD-N-20-RP-90-RS60-F05-R3-EP	
	40	G1/8	2,087 g		8066438	DFPD-N-20-RP-90-RS60-F04-R3-EP
					8047642	DFPD-40-RP-90-RS30-F04-R3-EP
					8047629	DFPD-40-RP-90-RS30-F0507-R3-EP
					8047630	DFPD-40-RP-90-RS60-F0507-R3-EP
					8047643	DFPD-40-RP-90-RS60-F04-R3-EP
		1/8 NPT	2,087 g		8066429	DFPD-N-40-RP-90-RS30-F0507
					8066441	DFPD-N-40-RP-90-RS30-F0507-R3-EP
					8066440	DFPD-N-40-RP-90-RS30-F04-R3-EP
					8066442	DFPD-N-40-RP-90-RS60-F04-R3-EP
					8066443	DFPD-N-40-RP-90-RS60-F0507-R3-EP
	60	G1/8	3,262 g		8083515	DFPD-60-RP-90-RS60-F0507-R3-EP
	80		3,746 g		8047631	DFPD-80-RP-90-RS30-F0507-R3-EP
		8047632			DFPD-80-RP-90-RS60-F0507-R3-EP	
		1/8 NPT	3,746 g		8066444	DFPD-N-80-RP-90-RS30-F0507-R3-EP
					8066445	DFPD-N-80-RP-90-RS60-F0507-R3-EP
	120	G1/4	5,422 g		8048143	DFPD-120-RP-90-RS30-F0507-R3-EP
		1/4 NPT	5,736 g		8048144	DFPD-120-RP-90-RS60-F0507-R3-EP
			5,422 g		8066456	DFPD-N-120-RP-90-RS30-F0507-R3-EP
	160	G1/4	6,767 g		8066457	DFPD-N-120-RP-90-RS60-F0507-R3-EP
					8048145	DFPD-160-RP-90-RS30-F0710-R3-EP
					8048146	DFPD-160-RP-90-RS60-F0710-R3-EP
		1/4 NPT	6,767 g		8066458	DFPD-N-160-RP-90-RS30-F0710-R3-EP
					8066459	DFPD-N-160-RP-90-RS60-F0710-R3-EP
	240	G1/4	9,442 g		8048147	DFPD-240-RP-90-RS30-F0710-R3-EP
			10,036 g		8048148	DFPD-240-RP-90-RS60-F0710-R3-EP
		1/4 NPT	9,442 g		8066460	DFPD-N-240-RP-90-RS30-F0710-R3-EP
			10,036 g		8066461	DFPD-N-240-RP-90-RS60-F0710-R3-EP
	300	G1/4	12,052 g		8048149	DFPD-300-RP-90-RS30-F0710-R3-EP
			12,880 g		8048150	DFPD-300-RP-90-RS60-F0710-R3-EP
12,052 g			8066462	DFPD-N-300-RP-90-RS30-F0710-R3-EP		
480	G1/4	12,880 g	8066463	DFPD-N-300-RP-90-RS60-F0710-R3-EP		
		17,261 g	8048151	DFPD-480-RP-90-RS30-F1012-R3-EP		

Ordering data

Quarter turn actuators DFPD, single-acting, epoxy-coated						
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type
	480	G1/4	18,485 g	90 deg	8048152	DFPD-480-RP-90-RS60-F1012-R3-EP
		1/4 NPT	17,261 g		8066464	DFPD-N-480-RP-90-RS30-F1012-R3-EP
			18,485 g		8066465	DFPD-N-480-RP-90-RS60-F1012-R3-EP
	700	G1/4	26,268 g		8065264	DFPD-700-RP-90-RS60-F1012-R3-EP
		1/4 NPT			8068931	DFPD-N-700-RP-90-RS60-F1012-R3-EP
	900	G1/4	30,395 g		8084137	DFPD-900-RP-90-RS60-F1012-R3-EP
					8065268	DFPD-900-RP-90-RS60-F14-R3-EP
					8084141	DFPD-N-900-RP-90-RS60-F1012-R3-EP
	1,200	G1/4	43,022 g		8068935	DFPD-N-900-RP-90-RS60-F14-R3-EP
					8084145	DFPD-1200-RP-90-RS60-F1012-R3-EP
					8065272	DFPD-1200-RP-90-RS60-F14-R3-EP
	2,300	G1/4	77,884 g		8084149	DFPD-N-1200-RP-90-RS60-F1012-R3-EP
					8068939	DFPD-N-1200-RP-90-RS60-F14-R3-EP
					8065276	DFPD-2300-RP-90-RS60-F1216-R3-EP

Quarter turn actuators DFPD-C, single-acting							
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type	
	20	G1/8	1,383 g	90 deg	8102797	DFPD-20-RP-90-RS35-F05-R3-C	
			1,399 g		8102796	DFPD-20-RP-90-RS45-F05-R3-C	
			1,423 g		8102798	DFPD-20-RP-90-RS60-F05-R3-C	
		1/8 NPT	1,383 g		8102799	DFPD-N-20-RP-90-RS35-F05-R3-C	
			1,399 g		8102800	DFPD-N-20-RP-90-RS45-F05-R3-C	
			1,423 g		8102801	DFPD-N-20-RP-90-RS60-F05-R3-C	
	40	G1/8	2,108 g		8102802	DFPD-40-RP-90-RS35-F05-R3-C	
			2,139 g		8102803	DFPD-40-RP-90-RS45-F05-R3-C	
			2,180 g		8047624	DFPD-40-RP-90-RS60-F0507	
		1/8 NPT	2,185 g		8102804	DFPD-40-RP-90-RS60-F05-R3-C	
			2,108 g		8102805	DFPD-N-40-RP-90-RS35-F05-R3-C	
			2,139 g		8102806	DFPD-N-40-RP-90-RS45-F05-R3-C	
	80	G1/8	3,785 g		8102807	DFPD-N-40-RP-90-RS60-F05-R3-C	
					8102815	DFPD-80-RP-90-RS35-F07-R3-CVDE2	
					8102809	DFPD-80-RP-90-RS35-F07-R3-C	
					8102816	DFPD-80-RP-90-RS45-F07-R3-CVDE2	
					8102810	DFPD-80-RP-90-RS45-F07-R3-C	
					8102817	DFPD-80-RP-90-RS60-F07-R3-CVDE2	
		1/8 NPT	3,963 g		8102811	DFPD-80-RP-90-RS60-F07-R3-C	
			3,970 g		8102812	DFPD-N-80-RP-90-RS35-F07-R3-C	
			3,792 g		8102813	DFPD-N-80-RP-90-RS45-F07-R3-C	
			3,863 g		8102814	DFPD-N-80-RP-90-RS60-F07-R3-C	
			3,970 g		8102824	DFPD-120-RP-90-RS35-F07-R3-CVDE2	
			8102818		DFPD-120-RP-90-RS35-F07-R3-C		
	120	G1/4	5,476 g		8102825	DFPD-120-RP-90-RS45-F07-R3-CVDE2	
					5,485 g	8102826	DFPD-120-RP-90-RS60-F07-R3-CVDE2
					5,581 g	8102820	DFPD-120-RP-90-RS60-F07-R3-C
					5,590 g	8102819	DFPD-120-RP-90-RS45-F07-R3-C
					5,738 g	8102822	DFPD-N-120-RP-90-RS35-F07-R3-C
					5,747 g	8102823	DFPD-N-120-RP-90-RS45-F07-R3-C
	1/4 NPT	5,485 g	5,590 g		8102827	DFPD-N-120-RP-90-RS60-F07-R3-C	
					5,747 g	8102828	DFPD-160-RP-90-RS35-F07-R3-C
					6,853 g	8102838	DFPD-160-RP-90-RS35-F07-R3-CVDE2
6,863 g				8144441	DFPD-160-RP-90-RS35-F07-17-R3-CVDE2		
				8144435	DFPD-160-RP-90-RS35-F07-17-R3-C		
				8102832	DFPD-160-RP-90-RS35-F07-R3-C		
160	G1/4	6,990 g	8144442	DFPD-160-RP-90-RS45-F07-17-R3-CVDE2			
			8102839	DFPD-160-RP-90-RS45-F07-R3-CVDE2			

Ordering data

Quarter turn actuators DFPD-C, single-acting							
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type	
	160	G1/4	7,000 g	90 deg	8102833	DFPD-160-RP-90-RS45-F07-R3-C	
			7,196 g		8144436	DFPD-160-RP-90-RS45-F07-17-R3-C	
			7,206 g		8102840	DFPD-160-RP-90-RS60-F07-R3-C-VDE2	
					8144443	DFPD-160-RP-90-RS60-F07-17-R3-C-VDE2	
					8144437	DFPD-160-RP-90-RS60-F07-17-R3-C	
					8102834	DFPD-160-RP-90-RS60-F07-R3-C	
			1/4 NPT		6,863 g	8144438	DFPD-N-160-RP-90-RS35-F07-17-R3-C
		7,000 g			8102835	DFPD-N-160-RP-90-RS35-F07-R3-C	
		7,206 g			8144439	DFPD-N-160-RP-90-RS45-F07-17-R3-C	
					8102836	DFPD-N-160-RP-90-RS45-F07-R3-C	
					8102837	DFPD-N-160-RP-90-RS60-F07-R3-C	
					8144440	DFPD-N-160-RP-90-RS60-F07-17-R3-C	
		240	G1/4		9,539 g	8102848	DFPD-240-RP-90-RS35-F10-R3-C-VDE2
					9,558 g	8102842	DFPD-240-RP-90-RS35-F10-R3-C
					9,737 g	8102849	DFPD-240-RP-90-RS45-F10-R3-C-VDE2
					9,756 g	8102843	DFPD-240-RP-90-RS45-F10-R3-C
					10,034 g	8102850	DFPD-240-RP-90-RS60-F10-R3-C-VDE2
					10,053 g	8102844	DFPD-240-RP-90-RS60-F10-R3-C
			1/4 NPT	9,558 g	8102845	DFPD-N-240-RP-90-RS35-F10-R3-C	
	9,756 g			8102846	DFPD-N-240-RP-90-RS45-F10-R3-C		
	10,053 g			8102847	DFPD-N-240-RP-90-RS60-F10-R3-C		
				8102857	DFPD-300-RP-90-RS35-F10-R3-C-VDE2		
				8102851	DFPD-300-RP-90-RS35-F10-R3-C		
				8102858	DFPD-300-RP-90-RS45-F10-R3-C-VDE2		
	300		G1/4	12,187 g	8102852	DFPD-300-RP-90-RS45-F10-R3-C	
				12,209 g	8102859	DFPD-300-RP-90-RS60-F10-R3-C-VDE2	
				12,463 g	8102853	DFPD-300-RP-90-RS60-F10-R3-C	
				12,485 g	8102854	DFPD-N-300-RP-90-RS35-F10-R3-C	
				12,877 g	8102855	DFPD-N-300-RP-90-RS45-F10-R3-C	
				12,899 g	8102856	DFPD-N-300-RP-90-RS60-F10-R3-C	
			1/4 NPT	12,209 g	8102860	DFPD-480-RP-90-RS35-F12-R3-C	
		12,485 g		8102866	DFPD-480-RP-90-RS35-F12-R3-C-VDE2		
		12,899 g		8102867	DFPD-480-RP-90-RS45-F12-R3-C-VDE2		
				8102861	DFPD-480-RP-90-RS45-F12-R3-C		
				8102868	DFPD-480-RP-90-RS60-F12-R3-C-VDE2		
				8102862	DFPD-480-RP-90-RS60-F12-R3-C		
		480	G1/4	17,498 g	8102863	DFPD-N-480-RP-90-RS35-F12-R3-C	
				17,848 g	8102864	DFPD-N-480-RP-90-RS45-F12-R3-C	
				17,892 g	8102865	DFPD-N-480-RP-90-RS60-F12-R3-C	
				17,906 g	8102885	DFPD-700-RP-90-RS35-F12-R3-C-VDE2	
				18,504 g	8102879	DFPD-700-RP-90-RS35-F12-R3-C	
				18,518 g	8102886	DFPD-700-RP-90-RS45-F12-R3-C-VDE2	
			1/4 NPT	17,498 g	8102887	DFPD-700-RP-90-RS45-F12-R3-C	
	17,906 g			8102888	DFPD-700-RP-90-RS60-F12-R3-C-VDE2		
	18,518 g			8102889	DFPD-700-RP-90-RS60-F12-R3-C		
				8102881	DFPD-700-RP-90-RS35-F12-R3-C		
				8102882	DFPD-N-700-RP-90-RS35-F12-R3-C		
				8102883	DFPD-N-700-RP-90-RS45-F12-R3-C		
	700		G1/4	24,708 g	8102884	DFPD-N-700-RP-90-RS60-F12-R3-C	
				24,723 g	8102894	DFPD-900-RP-90-RS35-F14-R3-C-VDE2	
25,342 g				8102888	DFPD-900-RP-90-RS35-F14-R3-C		
25,357 g				8102895	DFPD-900-RP-90-RS45-F14-R3-C-VDE2		
26,293 g				8102889	DFPD-900-RP-90-RS45-F14-R3-C		
26,308 g				8102896	DFPD-900-RP-90-RS60-F14-R3-C-VDE2		
		1/4 NPT	24,723 g	8102890	DFPD-900-RP-90-RS60-F14-R3-C		
25,357 g			8102891	DFPD-N-900-RP-90-RS35-F14-R3-C			
26,308 g			8102892	DFPD-N-900-RP-90-RS45-F14-R3-C			
900		G1/4	28,184 g				
			28,395 g				
			28,988 g				
			29,199 g				
			30,194 g				
			30,405 g				
		1/4 NPT	28,395 g				
	29,199 g						

Ordering data

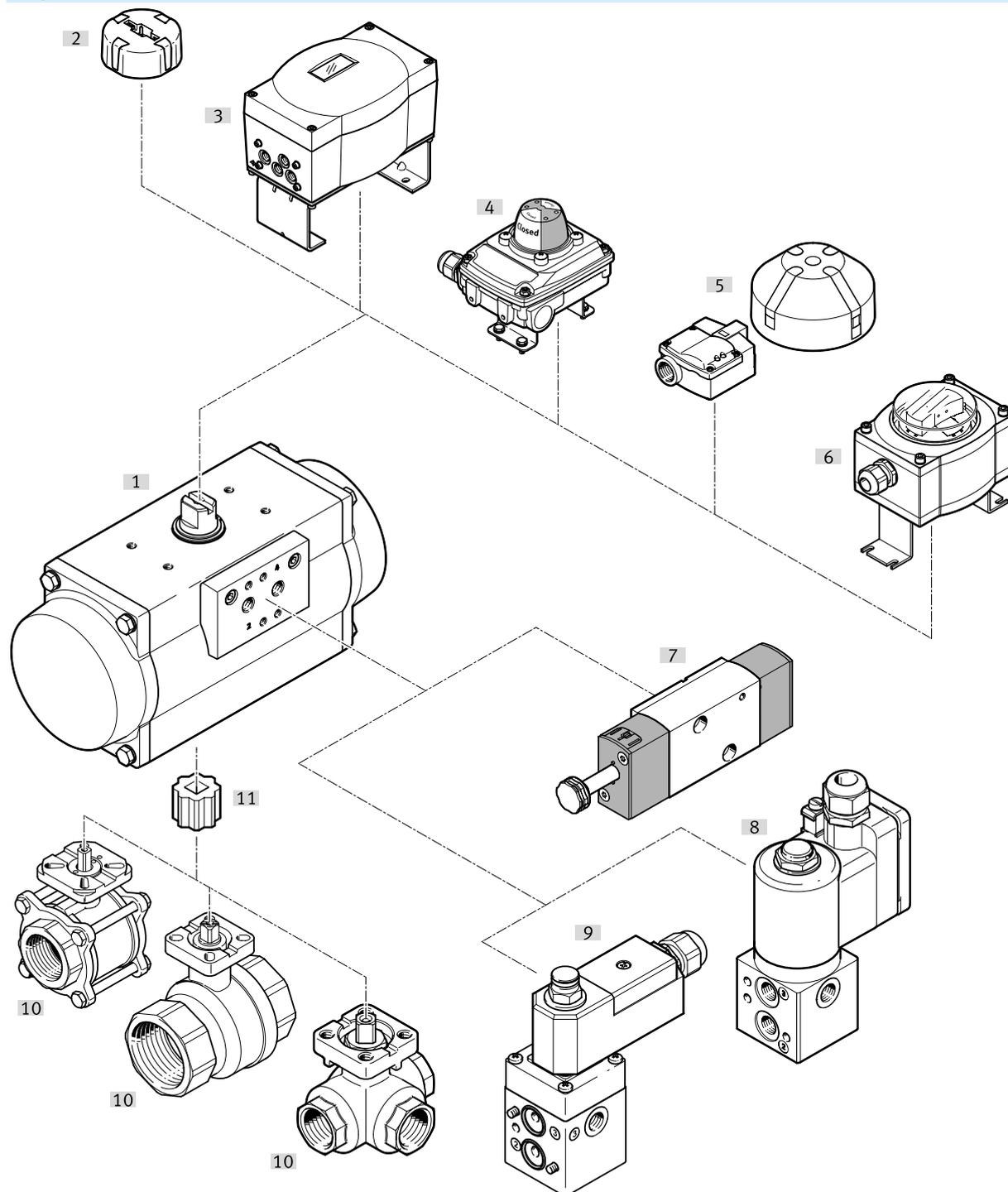
Quarter turn actuators DFPD-C, single-acting									
	Size of valve actuator	Pneumatic connection	Product weight	Swivel angle	Part no.	Type			
	900	1/4 NPT	30,405 g	90 deg	8102893	DFPD-N-900-RP-90-RS60-F14-R3-C			
	1,200	G1/4	40,042 g		8102903	DFPD-1200-RP-90-RS35-F14-R3-C-VDE2			
			40,067 g		8102897	DFPD-1200-RP-90-RS35-F14-R3-C			
			41,240 g		8102904	DFPD-1200-RP-90-RS45-F14-R3-C-VDE2			
					8102898	DFPD-1200-RP-90-RS45-F14-R3-C			
			43,037 g		8102905	DFPD-1200-RP-90-RS60-F14-R3-C-VDE2			
			43,062 g		8102899	DFPD-1200-RP-90-RS60-F14-R3-C			
			1/4 NPT		40,067 g	8102900	DFPD-N-1200-RP-90-RS35-F14-R3-C		
					41,240 g	8102901	DFPD-N-1200-RP-90-RS45-F14-R3-C		
					43,062 g	8102902	DFPD-N-1200-RP-90-RS60-F14-R3-C		
					2,300	G1/4	72,531 g	8102911	DFPD-2300-RP-90-RS35-F16-R3-C-VDE2
							72,562 g	8102908	DFPD-2300-RP-90-RS35-F16-R3-C
							74,695 g	8102912	DFPD-2300-RP-90-RS45-F16-R3-C-VDE2
			74,726 g				8102909	DFPD-2300-RP-90-RS45-F16-R3-C	
			77,941 g				8102913	DFPD-2300-RP-90-RS60-F16-R3-C-VDE2	
	77,972 g	8102910	DFPD-2300-RP-90-RS60-F16-R3-C						
	G1/2	72,531 g	8145415				DFPD-2300-RP-90-RS35-F16-X-R3-C-VDE2		
		72,562 g	8145412				DFPD-2300-RP-90-RS35-F16-X-R3-C		
		74,695 g	8145416				DFPD-2300-RP-90-RS45-F16-X-R3-C-VDE2		
		74,726 g	8145413				DFPD-2300-RP-90-RS45-F16-X-R3-C		
		77,941 g	8145417		DFPD-2300-RP-90-RS60-F16-X-R3-C-VDE2				
		77,972 g	8145414		DFPD-2300-RP-90-RS60-F16-X-R3-C				
	1/4 NPT	72,562 g	8102914		DFPD-N-2300-RP-90-RS35-F16-R3-C				
		74,726 g	8102915		DFPD-N-2300-RP-90-RS45-F16-R3-C				
		77,972 g	8102916		DFPD-N-2300-RP-90-RS60-F16-R3-C				
	1/2 NPT	72,562 g	8145418		DFPD-N-2300-RP-90-RS35-F16-X-R3-C				
		74,726 g	8145419		DFPD-N-2300-RP-90-RS45-F16-X-R3-C				
		77,972 g	8145420		DFPD-N-2300-RP-90-RS60-F16-X-R3-C				

Ordering information – Modular product system

Size of valve actuator	Swivel angle	Product weight	Part no.	Type
10	90 deg	965 ... 970 g	8042184	DFPD-10-
20		1,355 ... 1423 g	8042185	DFPD-20-
40	90 ... 180 deg	1,882 ... 2608 g	8042186	DFPD-40-
60	90 deg	2,793 ... 3267 g	4930238	DFPD-60-
80		3,308 ... 3970 g	8042187	DFPD-80-
120	90 ... 180 deg	4,872 ... 7122 g	8042188	DFPD-120-
160	90 deg	6,082 ... 7206 g	8042189	DFPD-160-
240	90 ... 180 deg	7,611 ... 12549 g	8042190	DFPD-240-
300	90 deg	11,224 ... 12899 g	8042191	DFPD-300-
480	90 ... 180 deg	16,025 ... 23456 g	8042192	DFPD-480-
700	90 deg	22,464 ... 26308 g	8042193	DFPD-700-
900		25,574 ... 30405 g	8042194	DFPD-900-
1,200		35,834 ... 43062 g	8042195	DFPD-1200-
2,300		64,900 ... 77972 g	8042196	DFPD-2300-
3,500		75,500 ... 174000 g	8042197	DFPD-3500-...
4,500		109,000 ... 228000 g	8042198	DFPD-4500-...
6,500		129,000 ... 228000 g	8042199	DFPD-6500-...
9,500		153,000 ... 290000 g	8042200	DFPD-9500-...

Peripherals

Peripherals overview



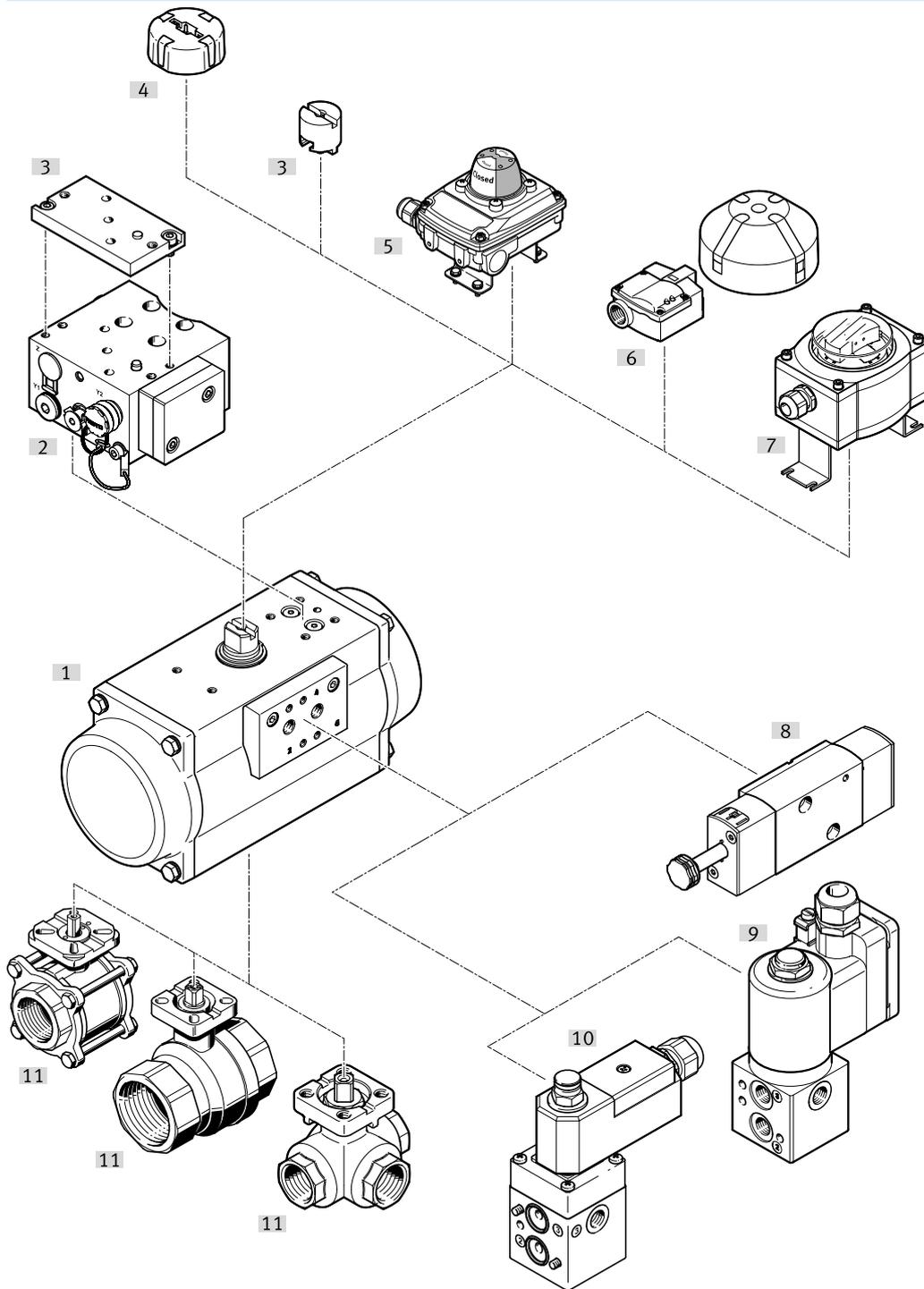
Accessories		→ Link
Type/order code	Description	
[1] Quarter turn actuator DFPD	-	dfpd
[2] Position indicator SASF	Position indication	54
[3] Positioner CMXS	For position control of semi-rotary drives in process systems	52
[4] Sensor box SRBC	For electrical feedback and position monitoring of process valves actuated using quarter turn actuators	52
[5] Sensor box SRBG	For electrical feedback and position monitoring of process valves actuated using quarter turn actuators	52
[6] Sensor box SRAP	Analogue sensor box continuously detects the entire swivel range and reports this back to the controller	52
[7] Solenoid valve VSNC	For single-acting and double-acting semi-rotary drives with plug pattern VDI/VDE 3845	52
[8] Solenoid valve VOFD	Solenoid valve with solenoid coil, connection pattern Namur	53
[9] Solenoid valve VOFC	Solenoid valve with solenoid coil, plug pattern Namur	53

Peripherals

Accessories			→ Link
Type/order code	Description		
[10]	Ball valve VAPB, VZBA	2-way brass or stainless steel corrosion-resistant, 3-way stainless steel corrosion-resistant	vapb
[10]	Ball valve VZBA	3-way ball valve for the trouble-free control of aggressive media or gases in piping systems.	vzba
[11]	Reducing sleeve DARQ	With female square and external octagon for mounting VAPB, VZBA	53

Peripherals

Peripherals overview DFPD-C

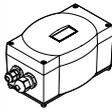


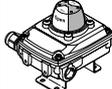
Accessories		→ Link
Type/order code	Description	
[1] Semi-rotary drive DFPD-C	-	dfpd-c
[2] Control plate DADG	For sizes 80 to 2300	54
[3] Adapter kit DADG	The VDI/VDE 3847-2 interface is increased by 10 mm	54
[4] Position indicator SASF		54
[5] Limit switch box SRBC	For electrical feedback and position monitoring of process valves actuated by quarter turn actuators	52
[6] Limit switch box SRBG	For electrical feedback and position monitoring of process valves actuated by quarter turn actuators	52
[7] Limit switch box SRAP	Analogue sensor box continuously detects the entire swivel range and reports this back to the controller	52
[8] Solenoid valve VSNC	For single- and double-acting quarter turn actuators with connection pattern VDI/VDE 3845	52
[9] Solenoid valve VOFD	Solenoid valve with solenoid coil, NAMUR connection pattern	53

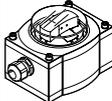
Peripherals

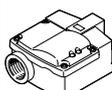
Accessories		→ Link
Type/order code	Description	
[10] Solenoid valve VOFC	Solenoid valve with solenoid coil, NAMUR connection pattern	53
[11] Ball valve VAPB, VZBA	2-way brass or stainless steel corrosion-resistant, 3-way stainless steel corrosion-resistant	vapb
[11] Ball valve VZBA	3-way ball valve for the trouble-free control of aggressive media or gases in piping systems.	vzba

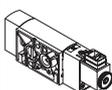
Accessories

Positioner CMSX							
	Mode of operation	Pneumatic connection	Sensing range	Setting options	Part no.	Type	
	Double-acting	G1/8	0 ... 100 deg	Via display and keys	3929540	CMSX-P-SE-C-U-F1-D-130-C	
					8171507	CMSX-P-SE-C-U-F1-D-50-A	
					3929539	CMSX-P-SE-C-U-F1-D-130-A	
					8171508	CMSX-P-SE-C-U-F1-D-50-C	
					3929314	CMSX-P-S-C-U-F1-D-130-C	
					3929313	CMSX-P-S-C-U-F1-D-50-A	
	Single-acting		0 ... 100 deg			3929315	CMSX-P-S-C-U-F1-D-50-C
						3929312	CMSX-P-S-C-U-F1-D-130-A
						8171510	CMSX-P-SE-C-U-F1-S-50-A
						8171509	CMSX-P-SE-C-U-F1-S-130-A
						3929369	CMSX-P-S-C-U-F1-S-130-A
						3929370	CMSX-P-S-C-U-F1-S-50-A

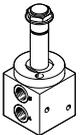
Limit switch box SRBC				
	Design	Measuring principle	Part no.	Type
		Inductive	8137097	SRBC-CA4-YR90-N-1-P-C2

Limit switch box SRAP				
	Design	Measuring principle	Part no.	Type
	Angular	Magnetic Hall	568238	SRAP-M-CA1-GR270-1-A-TM20
			568241	SRAP-M-CA1-GR270-1-A-TP20-EX2
			568236	SRAP-M-CA1-BB270-1-A-TP20

Limit switch box SRBG				
	Design	Measuring principle	Part no.	Type
	Angular	Inductive	3568165	SRBG-C1-N-1-P-C2-C2

Solenoid valve VSNC				
	Valve function	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type
	5/2 bistable, 5/2-way or 3/2-way, convertible, 5/3-way, pressurised, 5/3 exhausted, 5/3 closed	800 ... 1350 l/min	8026033	VSNC
	8074945	VSNC-FC-M52-MD-G14-F8-1A1		
	8078398	VSNC-FC-M52-MD-G14-FN-1A1+G		
	5/3-way, pressurised 5/3 exhausted	950 l/min 1,050 l/min	8114685	VSNC-F-P53U-M-G14-P2
			8114684	VSNC-F-P53E-M-G14-P2

Accessories

Solenoid valve VOFD					
	Valve function	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type	
	3/2-way, closed, monostable	52 l/min	3013904	VOFD-L12T-M32-MN-G14-8-F19	
			3014556	VOFD-L12T-M32-MN-G14-8-F19A	

Solenoid valve VOFC					
	Valve function	Standard nominal flow rate (standardised to DIN 1343)	Part no.	Type	
	3/2-way, closed, monostable	601 l/min	4514738	VOFC-LT-M32C-M-FG14-F19	
			4514739	VOFC-LT-M32C-M-FG14-F19A	

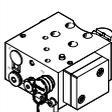
Reducing sleeve DARQ								
	Length	Connection 1, design	Connection 2, design	Product weight	Part no.	Type		
	11 mm	SW11	SW9	5 g	8082117	DARQ-R-A-S11-S9-11		
				25 g	8082131	DARQ-R-A-S11-S9-11-P5		
				50 g	8082140	DARQ-R-A-S11-S9-11-P10		
				250 g	8082145	DARQ-R-A-S11-S9-11-P50		
	12 mm	SW8	SW8	7 g	8082116	DARQ-R-A-S11-S8-12		
				35 g	8082130	DARQ-R-A-S11-S8-12-P5		
	16 mm	SW14	SW9	20 g	8086383	DARQ-R-A-S14-S8-16		
				100 g	8086388	DARQ-R-A-S14-S8-16-P5		
				18 g	8082118	DARQ-R-A-S14-S9-16		
				90 g	8082132	DARQ-R-A-S14-S9-16-P5		
				180 g	8082141	DARQ-R-A-S14-S9-16-P10		
				900 g	8082146	DARQ-R-A-S14-S9-16-P50		
		SW10	SW11	SW10	16 g	8082119	DARQ-R-A-S14-S10-16	
					13 g	8082120	DARQ-R-A-S14-S11-16	
					65 g	8082133	DARQ-R-A-S14-S11-16-P5	
					130 g	8082142	DARQ-R-A-S14-S11-16-P10	
					650 g	8082147	DARQ-R-A-S14-S11-16-P50	
					10 g	8082121	DARQ-R-A-S14-S12-16	
	17 mm	SW17	SW8	36 g	8086384	DARQ-R-A-S17-S8-17		
				34 g	8096914	DARQ-R-A-S17-S9-17		
			SW11	29 g	8082122	DARQ-R-A-S17-S11-17		
				145 g	8082134	DARQ-R-A-S17-S11-17-P5		
				1,450 g	8082148	DARQ-R-A-S17-S11-17-P50		
			SW12	SW14	25 g	8086385	DARQ-R-A-S17-S12-17	
					125 g	8086389	DARQ-R-A-S17-S12-17-P5	
			SW14	SW14	SW14	19 g	8082123	DARQ-R-A-S17-S14-17
						95 g	8082135	DARQ-R-A-S17-S14-17-P5
						190 g	8082143	DARQ-R-A-S17-S14-17-P10
75 g	8086386	DARQ-R-A-S22-S11-22						
62 g	8082124	DARQ-R-A-S22-S14-22						
22 mm	SW22	SW14	310 g	8082136	DARQ-R-A-S22-S14-22-P5			
			SW16	52 g	8082125	DARQ-R-A-S22-S16-22		
				SW17	46 g	8082126	DARQ-R-A-S22-S17-22	
		230 g			8082137	DARQ-R-A-S22-S17-22-P5		
		SW17	SW17	460 g	8082144	DARQ-R-A-S22-S17-22-P10		
				2,300 g	8082149	DARQ-R-A-S22-S17-22-P50		
27 mm	SW27	SW22	121 g	8086387	DARQ-R-A-S27-S17-27			
			80 g	8082127	DARQ-R-A-S27-S22-27			

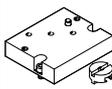
Accessories

Reducing sleeve DARQ						
	Length	Connection 1, design	Connection 2, design	Product weight	Part no.	Type
	27 mm	SW27	SW22	400 g	8082138	DARQ-R-A-S27-S22-27-P5
	36 mm	SW27	SW14	140 g	8096913	DARQ-R-A-S27-S14-27
			SW22	286 g	8096915	DARQ-R-A-S36-S22-36
		SW36	SW27	215 g	8082128	DARQ-R-A-S36-S27-36
				1,075 g	8082139	DARQ-R-A-S36-S27-36-P5
	46 mm	SW46	SW36	410 g	8082129	DARQ-R-A-S46-S36-46

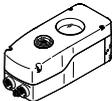
Mounting adapter DARQ						
	Size	Material mounting bridge	Material coupling	Product weight	Part no.	Type
	AA 1 to VDI/VDE 3845	High-alloy steel	High-alloy stainless steel	350 g	2197135	DARQ-K-P-A1-F05-20-R1

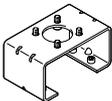
Position indicator SASF						
	Description	Dimensions (W x L x H)	Ambient temperature	Product weight	Part no.	Type
	For DFPD-20	Ø 50 mm x 20 mm	-20 ... 80 °C	29 g	8147090	SASF-F9-DE-12-A20
	For DFPD-40				8147091	SASF-F9-DE-16-A20
	For DFPD-60				8147092	SASF-F9-DE-19-A20
	For DFPD-80				8147093	SASF-F9-DE-20-A20
	For DFPD-120				8147094	SASF-F9-DE-22-A20
	For DFPD-160				8147095	SASF-F9-DE-25-A20
	For DFPD-250 and DFPD-300	Ø 70 mm x 25 mm		61 g	8147096	SASF-F9-DE-31-A30
	For DFPD-480			60 g	8147098	SASF-F9-DE-38-A30
	For DFPD-700				8147099	SASF-F9-DE-41-A30
	For DFPD-900	Ø 101 mm x 30 mm		59 g	8147100	SASF-F9-DE-44-A30
	For DFPD-1200			57 g	8147101	SASF-F9-DE-50-A30
	For DFPD-2300			97 g	8147102	SASF-F9-DE-64-A30

Control plate DADG						
	Pneumatic connection	ATEX declaration	Product weight	Part no.	Type	
	G1/4	For zone 1, 2, 21, 22	1,340 g	8104802	DADG-FM-F9-VDE2	

Adapter kit DADG						
	Size	Material adapter	Product weight	Part no.	Type	
	1	High-alloy stainless steel	187 g	8125947	DADG-AK-F9-1	
	2		418 g	8104804	DADG-AK-F9-2	

Accessories

Positioner CMSH						
	Pneumatic connection	Connecting thread	Design	Product weight	Part no.	Type
	G1/4, 1/4 NPT	M20, 1/2 NPT	Digital, electro-pneumatic positioner	2,045 ... 2820 g	8148076	CMSH-
	G1/4	M20		2,520 g	8097423	CMSH-SE-VDE1-D-A-AL-G14-C1M20-HA
				2,640 g	8186699	CMSH-S-VDE1-D-A-AL-G14-C1M20-HA-V2
					8186700	CMSH-S-VDE1-D-C-AL-G14-C1M20-HA-V2
					8097420	CMSH-S-VDE1-D-A-AL-G14-C1M20-HA
					8186701	CMSH-S-VDE1-S-A-AL-G14-C1M20-HA-V2
				8097412	CMSH-S-VDE1-S-A-AL-G14-C1M20-HA	
	8097413	CMSH-S-VDE1-S-A-AL-N14-C1N12-HA				
	1/4 NPT	1/2 NPT		8097421	CMSH-S-VDE1-D-A-AL-N14-C1N12-HA	
	With specific accessories	M20 1/2 NPT		2,175 g	8097425	CMSH-S-V-SD-AL-C1M20-HA
8097426			CMSH-S-V-SD-AL-C1N12-HA			

Mounting adapter CAFM				
	Size	Product weight	Part no.	Type
	AA 1 to VDI/VDE 3845	354 g	8148117	CAFM-M1-K-N1-AA1
	AA 2 to VDI/VDE 3845	385 g	8148118	CAFM-M1-K-N1-AA2
	AA 3 to VDI/VDE 3845	462 g	8148119	CAFM-M1-K-N1-AA3
	AA 4 to VDI/VDE 3845	524 g	8148120	CAFM-M1-K-N1-AA4