Butterfly valve VZAS

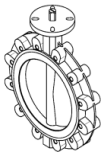
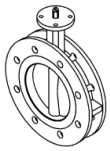
FESTO

Butterfly valve VZAS

Key features and product range overview

FESTO

General	Construction	Characteristics	Supplier
Nominal diameter DN25 ...DN1600 Flow rate Kv 52 ...228.500 m³/h	• Wafer VZAS-C • Lug VZAS-L • U-section VZAS-U	• Standard butterfly valve for a large scale of industries • Blow out protection • Large scale of body and liner material	• InterApp

Version	Type	Nominal diameter [mm]	Rating norm	
Wafer type				
	VZAS-C	DN32 ...DN300 DN350 ...DN1000 DN25 ...DN400 DN450 ...DN1000 DN25 ...DN1000 DN32 ...DN400 DN450 ...DN1000	PN6 coverd by PN16 PN6 PN10 coverd by PN16 PN10 PN16 Ansi cl. 150 coverd by PN16 Ansi cl. 150	
Lug type				
	VZAS-L	DN25 ...DN150 DN200 ...DN600 DN25 ...DN600 DN32 ...DN600	PN10 covered by PN16 PN10 PN16 Ansi cl. 150	
U-section				
	VZAS-U	DN150 ...DN1000 DN1200 ...DN1400 DN150 DN200 ...DN1000 DN1200 ...DN1600 DN150 ...DN1000 DN1200 ...DN1600	PN6 PN6 PN10 covered by PN16 PN10 PN10 PN16 PN16	

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Order information

Modular system

- Individual selection by modular system, tailored for specific customer needs

- Scale of over 700.000 varieties

- All parameters which are shown in type code can be ordered by

  - KMAT part no.: 8028386

Part No. types

- Standard types suitable for large scale of application

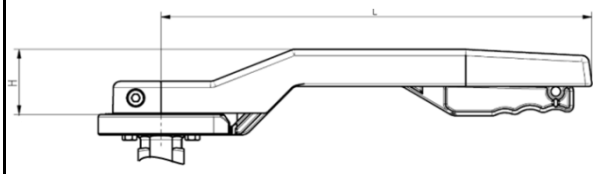
- 136 Part No.

  - Part no. on Page 13/14

- Following characteristics included:

  - Design: Wafer / Lug
  - Housing material: Ductile cast iron epoxy coated
  - Size: DN40 ... DN300
  - Working pressure: 10/16bar
  - Disc material: Ductile cast iron polyamide coated / stainless steel
  - Liner: NBR / EPDM

Selection / Dimension hand lever

Design	Nominal size (DN)	Part No.	Type Code	H	L	Weight [kg]
	32/40	3298221	VAOH-F6-F07-8-180-H9-RA10-AL	41	180	0,4
	50/65	3298222	VAOH-F6-F07-11-180-H9-RA10-AL	41	180	0,4
	80/100	3298223	VAOH-F6-F07-11-240-H9-RA10-AL	43	243	0,5
	125/150	3298225	VAOH-F6-F07-14-340-H9-RA10-AL	51	340	0,6
	200	3298226	VAOH-F6-F07-17-340-H9-RA10-AL	51	340	0,6
	250/300	3298227	VAOH-F6-F12-22-500-H9-RA10-AL	73	500	2,2

Butterfly valve VZAS

Type code part 1

VZAS	-	C	-	25	-	6	-	S8	PN6	-	H2	PU70	-	V5	-	H1	CR	-	E	-	C	-	EX

Type	
VZAS	Butterfly valve

Design	
C	Ring housing with centring holes (Wafer)
L	Ring housing with threaded flange (Lug)
U	U-section housing

Nominal diameter DN	
25	25 mm
32	32 mm
40	40 mm
50	50 mm
65	65 mm
80	80 mm
100	100 mm
125	125 mm
150	150 mm
200	200 mm
250	250 mm
300	300 mm
350	350 mm
400	400 mm
450	450 mm
500	500 mm
600	600 mm
700	700 mm
750	750 mm
800	800 mm
900	900 mm
1000	1000 mm
1100	1100 mm
1200	1200 mm
1400	1400 mm
1600	1600 mm

Nominal pressure	
2,5	2.5 bar
6	6 bar
10	10 bar
16	16 bar

Connection standard	
S8	DIN EN 1092-1
S9	ANSI Class 150

Nominal pressure connection standard	
PN6	PN6
PN10	PN10
PN16	PN16
PN25	PN25
	Standard and just with [S9] ANSI Class 150

Housing material	
H2	Grey cast iron, EN-GJL-250
H1	Ductile cast iron, EN-GJS-400-15

Surface finish, housing	
PU70	Polyurethane coated 70 µ
EP200	Epoxy coated 200 µ
PU250	Polyurethane coated 250 µ

Butterfly valve VZAS

Type code part 2

VZAS - C - 25 - 6 - S8 PN6 - H2 PU70 - V5 - H1 CR - E - C - EX

Shaft material	
V5	Stainless steel 1.4021
V7	Stainless steel 1.4542

Shut-off element material	
H1	Ductile cast iron, EN-GJS-400-15
H5	Cast steel, GS-C25
H6	Cast steel, GS-52
H7	Cast steel, ASTM A494 CW-12MW
H8	Aluminium bronze ASTM B14
V3	Stainless steel 1.4408
V9	Stainless steel 1.4588

Surface finish, shut-off element	
	None
CR	Chrome coated
PL	Polished
PE3	Polyethylene coated 3 mm (for abrasive media)
PU70	Polyurethane coated 70 µ
HL600	Halar coated 600 µ
PA250	Polyamide coated 250 µ

Seal material	
E	EPDM
N	NBR
V	FPM
E6	EPDM white (FDA)
E7	Epichlorhydrin (ECO)
N2	NBR gas (EN 682)
C	CSM
E3	EPDM KTW
E4	EPDM HT
E5	EPDM for abrasive media
N1	NBR hydrogenated
N5	NBR for abrasive media
NR	NBR, white (FDA)
S1	Silicone, transparent (FDA)
V1	FPM GF for oxygen-rich fuel
SBRA	SBR for abrasive media
S	Silicone

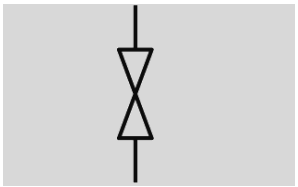
PWIS content	
	Standard
C	PWIS-free

EU approval	
	None
EX4	II 2GD

Butterfly valve VZAS

Technical data

Function



- Designed as Wafer, Lug or U-section

General technical data	
Process valve connection	
Valve function	2/2-way
Design	Butterfly valve in wafer, lug & u-section design
Sealing principle	Soft
Actuation type	Mechanical
Manual override	None
Approved for use in food industry	Yes
Switching position display	Slot direction on shaft = flow direction
Direction of flow	Reversible
Type of mounting	In-line installation
Mounting position	Any (DN 450 and bigger horizontal)
Based on connection standard	DIN EN 1092-1
	ANSI Class 150

Operating and environmental conditions	
Process valve nominal pressure 1)	PN 6; PN 10; PN 16; PN25 / Class 150
Vacuum [mbarA]	200 (higher vacuum on request) conditions: Nominal diameter [mm]: max. DN300 Seal material: EPDM / NBR Media: neutral media, max. +80°C To achieve max. tightness at vacuum application please select biggest available nominal pressure at selected nominal diameter!
Temperature of medium [°C]	-55 ... +210 (depending on material and other working conditions)

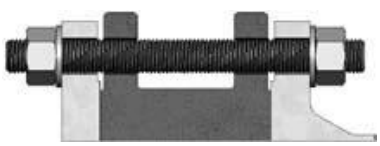
1) PN class to DIN EN 1333 / ASME B 16.5

ATEX description

Surface finish housing		Shut-off element (disc)		ATEX-description
Coating thickness	Description coating	Coated?	Description coating	
≤80 µm	PU70	yes	PE3 PU70 HL600 PA250	II 2GD(o) c IIC X
		no	-	II 1GD(i)/2GD(o) c IIC X
>80 µm	EP200 PU250	yes	PE3 PU70 HL600 PA250	II 2GD(o) c IIB X
		no	-	II 1GD(i)/2GD(o) c IIB X

When mounting the valve at the end of a line please note:		
Body type	**Lug type [L]** possible without counter flange	
	U section [U] only with counter flange	
Body material	**H1** EN-GJS-400-15	
Medium	only for liquids, +10...+30°C	
Max. working pressure	DN25-200	10 bar
	DN250-600	6 bar
	DN700-1400	2,5 bar
	no water hammer!	

Example of mounting U section body type with counter flange



Liner			
Code	Name DIN	Material	Temperature range [°C]
E	**EPDM**	**Ethylene-Propylene Tercopolymer**	-20 … +95
weak mineral acids and basis, air, water, ketones and esters			
E4	**EPDM**	**Ethylene-Propylene Tercopolymer**	-20 … +130
weak mineral acids and basis, air, water, ketones and esters			
E3	**EPDM**	**Ethylene-Propylene Tercopolymer**	-20 … +80
with drinking water approval ACS, DVGW, WRAS and EN 681-1			
E6	**EPDM**	**Ethylene-Propylene Tercopolymer**	-20 … +95
weak mineral acids and basis, air, water, ketones and esters, special for food applications			
E7	**ECO**	**Epichloridrin ethylene oxyde copolymere**	-40 … +125
excellent resitance to mineral and vegetable oils and greases, combined with excellent resitance to low temperatures			
E5	**EPDM**	**EPDM based**	-20 … +90
specially designed for the resistance to water solutions with suspension solids. This material is adequate to support weak mineral acids, weak mineral bases, alcohols, ketones and esters. It is the alternative to where the EPDM-Nordel® was used			
N5	**NBR**	**NBR based**	-10 … +90
specially designed to resist to the highest abrasive products, still providing an excellent resistance to oils and greases. This material is the alternative where Carboxylic Nitrile was used or Flucast® AB/P, it is recommended for the most aggressive products			
SBRA	**SBR**	**SBR based**	-35 … +90
specially designed for the resistance to chemically inert powdered products, such as: flours, cements, plasters, concrete mortars, powdered sugar, etc. This material is the alternative where natural rubber was used			
C	**CSM**	**Chlorosulfonated Polyethylene**	-25 … +125
moderate resistance to oil, greases and weak acids			
N	**NBR**	**Acrylonitrile - butadiene copolymer**	-10 … +100
oils, Greases, Fuel, Gas oil, CO2, CO, H2			
NR	**NBR**	**Acrylonitrile - butadiene copolymer**	-10 … +100
special for food applications			
N2	**NBR**	**Acrylonitrile - butadiene copolymer**	-10 … +100
natural Gas with DVGW Gas approval DIN EN 682			
N1	**NBR-H**	**Acrylonitrile - butadiene copolymer**	-10 … +120
raw Biogas, CO2, CO, H2S			
S	**MVQ**	**Poly (methyl vinyl) siloxane**	-60 … +200
highest and lowest temperature resistance			
S1	**MVQ**	**Poly (methyl vinyl) siloxane**	-60 … +200
special for food applications			
V	**FPM**	**Hexafluorpropylene vinylidene fluoride copolymer**	-15 … +210
very good restistance to high temperature, light, weathering, hydraulic liquids, hydrocarbons, benzene solvent, acids, bases, oxygen			
V1	**FPM**	**HFP-VDF-TFE-CSM Tetrapolymer**	-5 … +210
specially designed for oxigenated gasolines			

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Technical data (actuating torques & Kv values)

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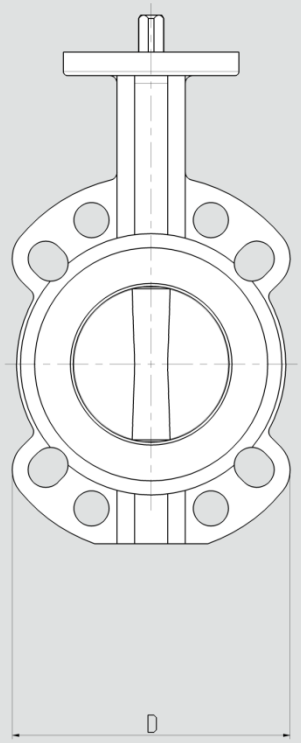
STANDARD CONDITIONS (only liquids between +20 ... +80°C)				
Nominal diameter	**Torque [Nm] at nominal pressure (icl. 1,35 sf)**			
	2,5 bar	**6 bar**	**10 bar**	**16 bar**
DN25				17
DN32				17
DN40				17
DN50				30
DN65				33
DN80			39	51
DN100	30		56	65
DN125	45		68	113
DN150	54		90	122
DN200	80		150	218
DN250	139		216	289
DN300	175		365	431
DN350	300	413	652	792
DN400	640	873	970	1213
DN450	878	1229	1470	1818
DN500	1053	1370	1478	2024
DN600	1944	2306	2770	4050
DN700	2106	2970	3861	4590
DN750	2430	3494	4320	5400
DN800	2633	3510	4533	4991
DN900	3443	4388	5603	7020
DN1000	4388	5535	7020	8505
DN1100	5670	7088	8775	10395
DN1200	7425	8910	10530	12690
DN1400	9315	13500	20536	
DN1600	12420	17955	33210	

SEVERE CONDITIONS (all conditions except standard conditions see left table)				
Nominal diameter	**Torque [Nm] at nominal pressure (icl. 1,75 sf)**			
	2,5 bar	**6 bar**	**10 bar**	**16 bar**
DN25				22
DN32				22
DN40				22
DN50				41
DN65				45
DN80			53	69
DN100	41		75	87
DN125	61		91	152
DN150	73		122	164
DN200	107		203	294
DN250	187		292	390
DN300	236		492	581
DN350	405	557	880	1069
DN400	864	1178	1310	1637
DN450	1185	1658	1985	2455
DN500	1422	1850	1996	2732
DN600	2624	3113	3740	5468
DN700	2843	4010	5212	6197
DN750	3281	4717	5832	7290
DN800	3554	4739	6120	6738
DN900	4647	5923	7563	9477
DN1000	5923	7472	9477	11482
DN1100	7655	9568	11846	14033
DN1200	10024	12029	14216	17132
DN1400	12575	18225	27724	
DN1600	16767	24239	44834	

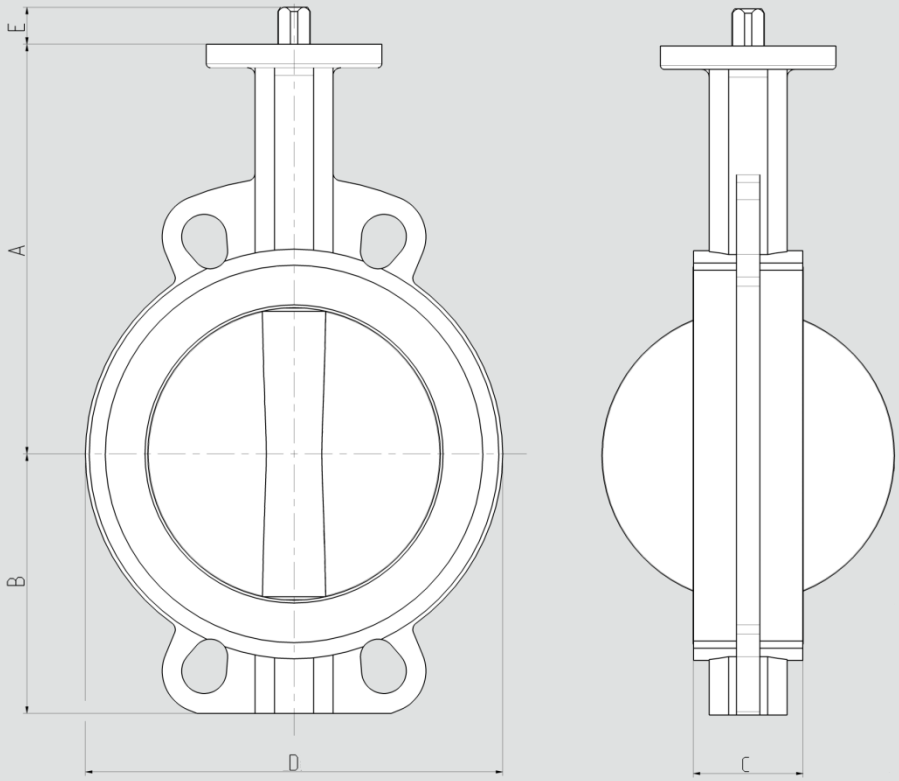
Kv values								
Nominal diameter	**Kv values [m3/h] at opening angle of the valve**							
	20°	**30°**	**40°**	**50°**	**60°**	**70°**	**80°**	**90°**
DN25/32		1,5	5	10	15	26	34	40
DN40		2,7	8,5	16	25	37	46	50
DN50	2	7	15	28	45	68	88	100
DN65	3	11	24	48	85	138	180	210
DN80	8	22	50	83	134	230	312	360
DN100	15	35	70	130	225	410	585	650
DN125	28	70	135	230	360	600	920	1050
DN150	33	95	205	320	580	980	1410	1620
DN200	60	175	355	580	910	1600	2450	2800
DN250	132	340	590	940	1480	2550	3950	4480
DN300	200	505	890	1450	2100	3800	5960	6800
DN350	280	680	1200	2050	3150	5050	8100	9200
DN400	365	860	1500	2490	3980	6600	10200	11700
DN450	465	1080	1900	3150	5050	8700	13300	15200
DN500	580	1200	2300	3740	6150	11000	16800	18900
DN600	820	1600	2780	5200	8940	14500	23500	26800
DN700	890	2050	3450	6050	11050	18800	31500	37100
DN750	1150	2250	4350	7700	12500	20700	34800	42750
DN800	1300	2550	4950	8750	14200	23500	39500	48500
DN900	1650	3300	6400	11800	19400	31500	52500	61300
DN1000	2150	4250	8200	15100	23500	39400	65500	80500
DN1100	2950	5950	10100	16400	28200	46100	81500	98500
DN1200	4000	7500	12500	19800	34000	55400	98300	119200
DN1400	5200	10120	18200	32500	51500	89500	142000	162000
DN1600	7100	14210	26050	45000	71200	118500	196200	228500

Dimensions for Wafer type

DN25-100



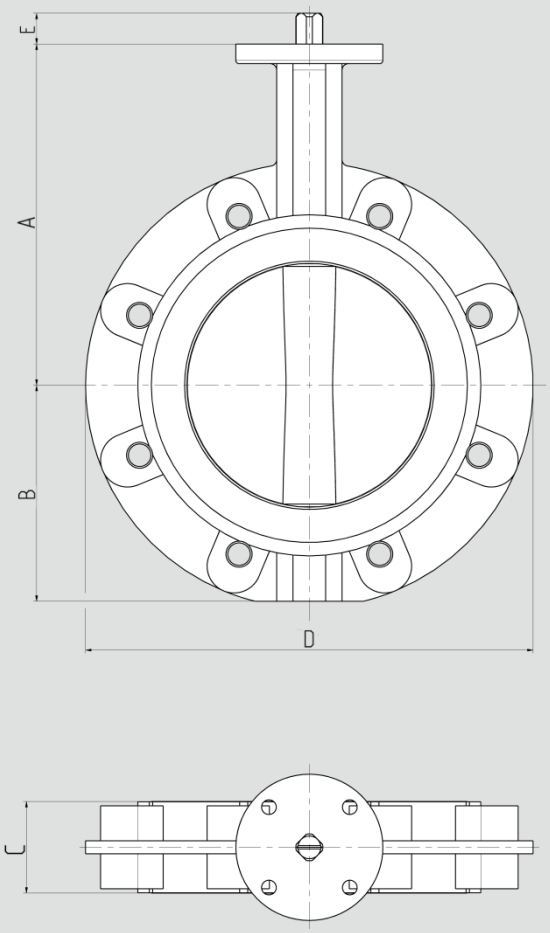
DN125 -1000



Size	A	B	C	D Ø	E ±0,5	Weight [kg]
25/32	110	51	30	101	19	1,4
40	130	54	33	108	19	2
50	135	72	43	120	19	3
65	150	82	46	138	19	3,6
80	160	92	46	142	19	4
100	180	102	52	162	19	5,5
125	195	120	56	189	19	7,5
150	210	133	56	214	19	8,6
200	240	166	60	270	25	12,7
250	279	201	68	324	32	22,2
300	315	234	78	378	32	30,8
350	330	268	80	425	32	41,5
400	365	299	102	475	40	57,2
450	397	355	113	538	37	95
500	437	393	126	595	37	125
600	522	464	153	695	48	180
700	565	503	168	800	80	280
800	627	577	190	908	80	387
900	696	643	204	1015	100	502
1000	745	693	218	1133	100	710

Connection information page 12

Dimensions for Lug type



Size	A	B	C	D Ø	E ±0,5	Weight [kg]
25	110	51	30	101	19	1,4
32	110	51	30	101	19	1,4
40	130	54	33	108	19	2
50	135	72	43	116	19	3,2
65	150	82	46	131	19	4
80	160	88	46	188	19	6,1
100	180	102	52	219	19	8,5
125	195	116	56	248	19	10
150	210	128	56	274	19	11
200	240	161	60	332	25	19,6
250	279	199	68	402	32	28,7
300	315	234	78	472	32	41,2
350	330	258	80	520	32	55
400	365	290	102	584	40	75
450	397	355	113	655	37	150
500	437	393	126	712	37	170
600	522	464	153	829	48	240

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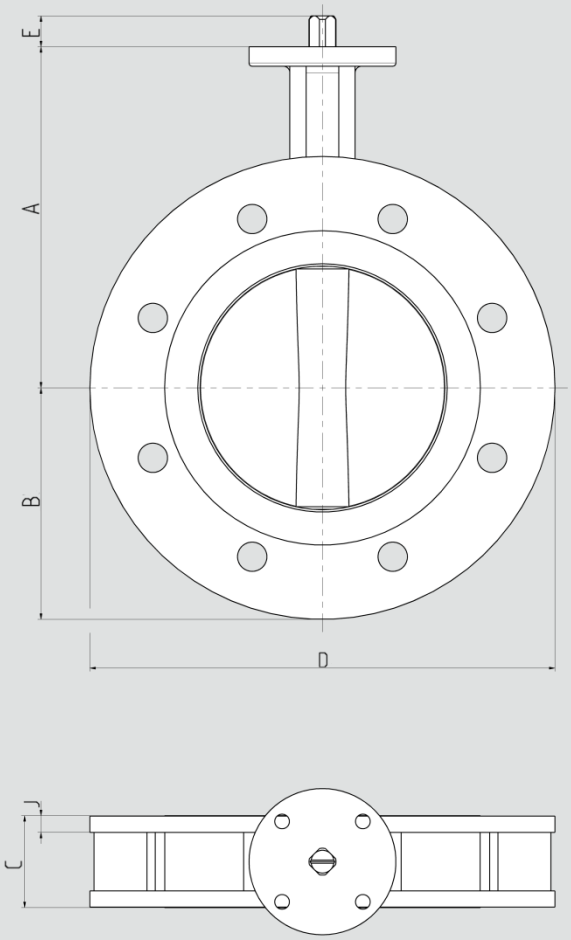
Dimensions for U-section type



Size	A	B	C	D Ø	J	E ±0,5	Weight [kg]
150	210	143	56	285	10	19	15
200	240	170	60	340	12,5	25	19,5
250	279	200	68	406	15	32	30,5
300	315	239	78	482	15	32	44
350	330	265	80	533	18	32	59
400	365	296	102	597	20	40	82
450	397	355	113	640	24	37	118
500	437	393	126	715	26	37	175
600	522	464	153	840	28,5	48	260
700	565	503	168	927	31,5	80	345
750	590	541	170	985	34	80	435
800	627	577	190	1060	36,5	80	510
900	696	643	204	1170	38	100	660
1000	745	693	218	1255	44	100	790
1100	820	738	218	1395	44	100	850
1200	881	806	254	1485	47	120	1180
1400	990	908	280	1746	40	120	1700
1600	1117	1048	318	1924	50	155	2600

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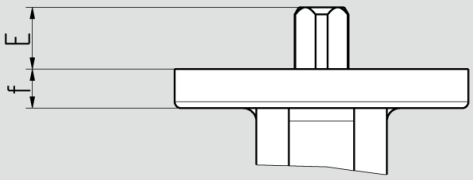
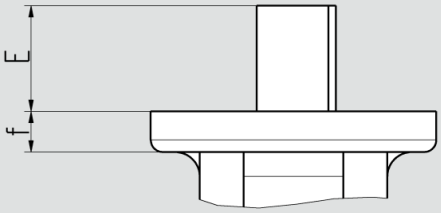
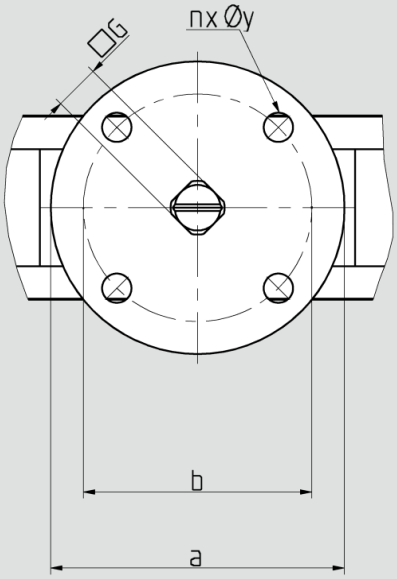
Dimensions for all types

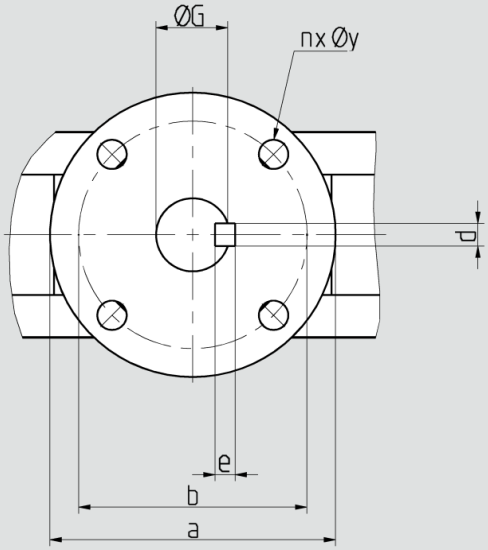
DN25-600



DN700 -1600





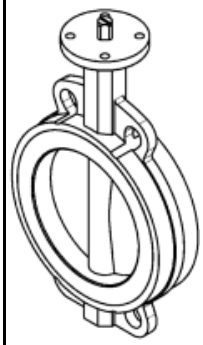


Size	E ±0,5	G	d	e	f	ISO	a Ø	b Ø	n x Øy
25-40	19	□8	-	-	12	F07	90	70	4x9
50-100	19	□11	-	-	12	F07	90	70	4x9
125-150	19	□14	-	-	12	F07	90	70	4x9
200	25	□17	-	-	12	F07	90	70	4x9
250-300	32	□22	-	-	18	F10/F12	155	102/125	4x11 / 4x13
350	32	□22	-	-	18	F12	155	125	4x13
400	40	□27	-	-	18	F12	155	125	4x13
450-500	37	□36	-	-	25	F14	175	140	4x18
600	46	□46	-	-	25	F16	220	165	4x22
700	80	Ø65	20	12	25	F16	300	254	4x18
750	80	Ø70	20	12	30	F25	300	254	4x18
800	80	Ø70	20	12	30	F25	300	254	8x18
900	100	Ø80	22	14	30	F30	350	298	8x22
1000	100	Ø80	22	14	30	F30	350	298	8x22
1100	100	Ø80	22	14	30	F30	350	298	8x22
1200	120	Ø100	28	16	30	F30	350	298	8x22
1400	120	Ø120	32	18	35	F30	350	298	8x22
1600	155	Ø130	32	18	40	F35	418	356	8x33,5

Butterfly valve VZAS

Selection assistance for part no.

Wafer type (Housing: Ductile cast iron epoxy coated)

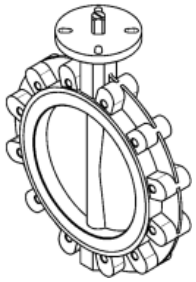
Design	Nominal size (DN)	Working pressure (bar)	Liner	Disc	Part No.	Type
	40	16	NBR	Ductile iron polyamide coated	578608	VZAS-C-40-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578688	VZAS-C-40-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578609	VZAS-C-40-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578689	VZAS-C-40-16-S8PN16-H1EP200-V5-V3-E
	50	16	NBR	Ductile iron polyamide coated	578610	VZAS-C-50-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578690	VZAS-C-50-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578611	VZAS-C-50-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578691	VZAS-C-50-16-S8PN16-H1EP200-V5-V3-E
	65	16	NBR	Ductile iron polyamide coated	578612	VZAS-C-65-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578692	VZAS-C-65-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578613	VZAS-C-65-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578693	VZAS-C-65-16-S8PN16-H1EP200-V5-V3-E
	80	16	NBR	Ductile iron polyamide coated	578614	VZAS-C-80-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578694	VZAS-C-80-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578615	VZAS-C-80-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578695	VZAS-C-80-16-S8PN16-H1EP200-V5-V3-E
		10	NBR	Ductile iron polyamide coated	578654	VZAS-C-80-10-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578734	VZAS-C-80-10-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578655	VZAS-C-80-10-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578735	VZAS-C-80-10-S8PN16-H1EP200-V5-V3-E
	100	16	NBR	Ductile iron polyamide coated	578616	VZAS-C-100-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578696	VZAS-C-100-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578617	VZAS-C-100-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578697	VZAS-C-100-16-S8PN16-H1EP200-V5-V3-E
		10	NBR	Ductile iron polyamide coated	578656	VZAS-C-100-10-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578736	VZAS-C-100-10-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578657	VZAS-C-100-10-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578737	VZAS-C-100-10-S8PN16-H1EP200-V5-V3-E
	125	16	NBR	Ductile iron polyamide coated	578618	VZAS-C-125-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578698	VZAS-C-125-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578619	VZAS-C-125-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578699	VZAS-C-125-16-S8PN16-H1EP200-V5-V3-E
		10	NBR	Ductile iron polyamide coated	578658	VZAS-C-125-10-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578738	VZAS-C-125-10-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578659	VZAS-C-125-10-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578739	VZAS-C-125-10-S8PN16-H1EP200-V5-V3-E
	150	16	NBR	Ductile iron polyamide coated	578620	VZAS-C-150-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578700	VZAS-C-150-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578621	VZAS-C-150-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578701	VZAS-C-150-16-S8PN16-H1EP200-V5-V3-E
		10	NBR	Ductile iron polyamide coated	578660	VZAS-C-150-10-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578740	VZAS-C-150-10-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578661	VZAS-C-150-10-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578741	VZAS-C-150-10-S8PN16-H1EP200-V5-V3-E
	200	16	NBR	Ductile iron polyamide coated	578622	VZAS-C-200-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578702	VZAS-C-200-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578623	VZAS-C-200-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578703	VZAS-C-200-16-S8PN16-H1EP200-V5-V3-E
		10	NBR	Ductile iron polyamide coated	578662	VZAS-C-200-10-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578742	VZAS-C-200-10-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578663	VZAS-C-200-10-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578743	VZAS-C-200-10-S8PN16-H1EP200-V5-V3-E
	250	16	NBR	Ductile iron polyamide coated	578624	VZAS-C-250-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578704	VZAS-C-250-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578625	VZAS-C-250-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578705	VZAS-C-250-16-S8PN16-H1EP200-V5-V3-E
		10	NBR	Ductile iron polyamide coated	578664	VZAS-C-250-10-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578744	VZAS-C-250-10-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578665	VZAS-C-250-10-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578745	VZAS-C-250-10-S8PN16-H1EP200-V5-V3-E
	300	16	NBR	Ductile iron polyamide coated	578627	VZAS-C-300-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578707	VZAS-C-300-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578626	VZAS-C-300-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578706	VZAS-C-300-16-S8PN16-H1EP200-V5-V3-E
		10	NBR	Ductile iron polyamide coated	578667	VZAS-C-300-10-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578747	VZAS-C-300-10-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578666	VZAS-C-300-10-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578746	VZAS-C-300-10-S8PN16-H1EP200-V5-V3-E

Butterfly valve VZAS

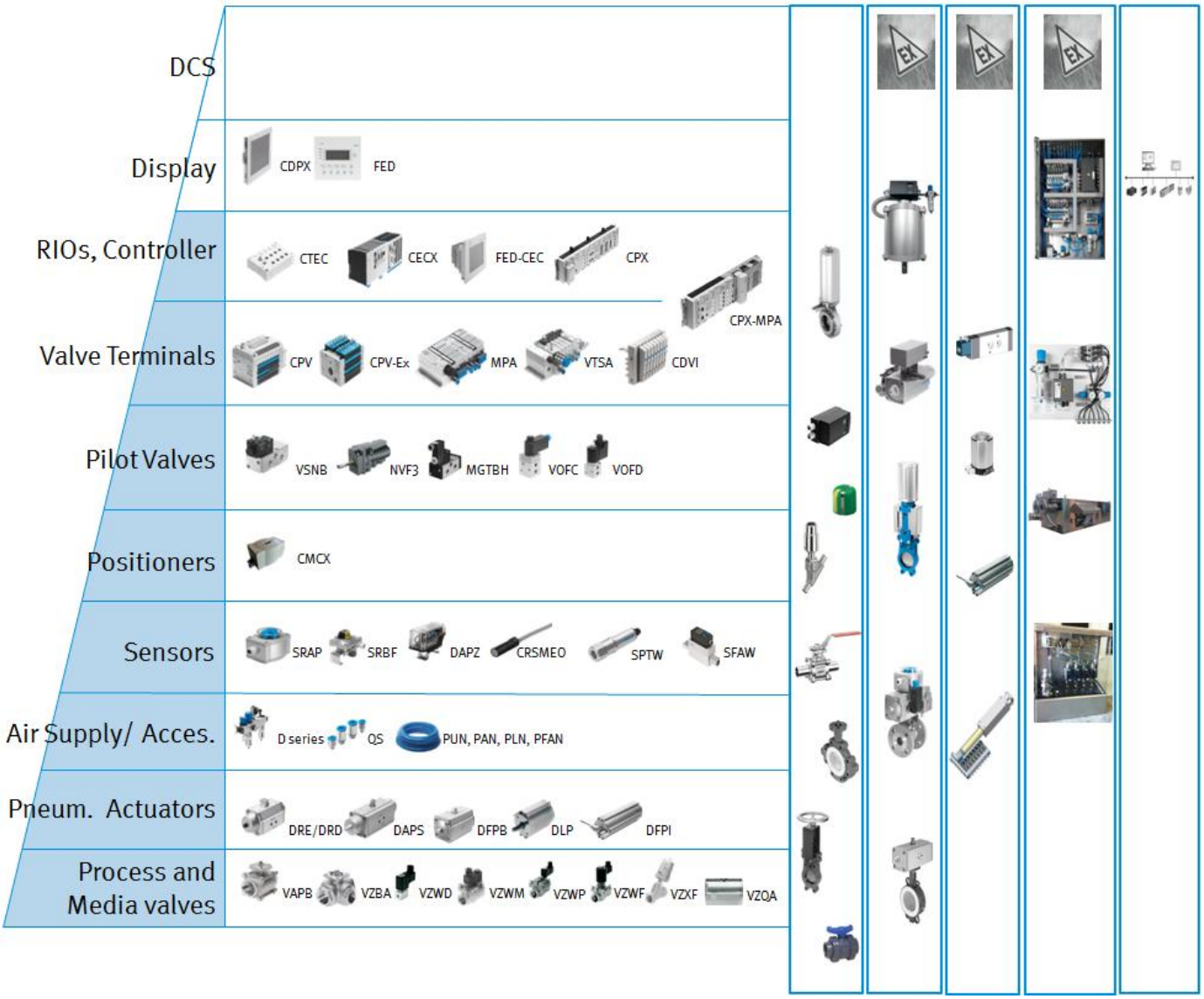
Selection assistance for part no.

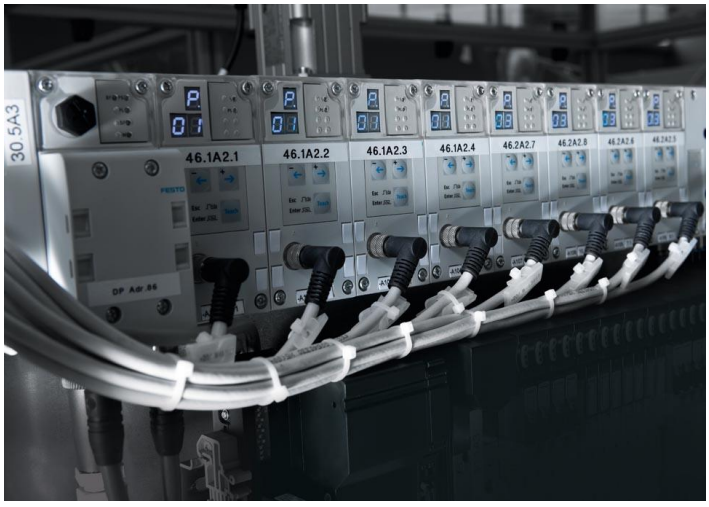
FESTO

Lug type (Housing: Ductile cast iron epoxy coated)

Design	Nominal size (DN)	Working pressure (bar)	Liner	Disc	Part No.	Type
	40	16	NBR	Ductile iron polyamide coated	578628	VZAS-L-40-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578708	VZAS-L-40-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578629	VZAS-L-40-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578709	VZAS-L-40-16-S8PN16-H1EP200-V5-V3-E
	50	16	NBR	Ductile iron polyamide coated	578630	VZAS-L-50-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578710	VZAS-L-50-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578631	VZAS-L-50-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578711	VZAS-L-50-16-S8PN16-H1EP200-V5-V3-E
	65	16	NBR	Ductile iron polyamide coated	578633	VZAS-L-65-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578713	VZAS-L-65-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578632	VZAS-L-65-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578712	VZAS-L-65-16-S8PN16-H1EP200-V5-V3-E
	80	16	NBR	Ductile iron polyamide coated	578634	VZAS-L-80-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578714	VZAS-L-80-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578635	VZAS-L-80-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578715	VZAS-L-80-16-S8PN16-H1EP200-V5-V3-E
		10	NBR	Ductile iron polyamide coated	578674	VZAS-L-80-10-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578754	VZAS-L-80-10-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578675	VZAS-L-80-10-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578755	VZAS-L-80-10-S8PN16-H1EP200-V5-V3-E
	100	16	NBR	Ductile iron polyamide coated	578636	VZAS-L-100-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578716	VZAS-L-100-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578637	VZAS-L-100-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578717	VZAS-L-100-16-S8PN16-H1EP200-V5-V3-E
		10	NBR	Ductile iron polyamide coated	578676	VZAS-L-100-10-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578756	VZAS-L-100-10-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578677	VZAS-L-100-10-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578757	VZAS-L-100-10-S8PN16-H1EP200-V5-V3-E
	125	16	NBR	Ductile iron polyamide coated	578638	VZAS-L-125-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578718	VZAS-L-125-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578639	VZAS-L-125-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578719	VZAS-L-125-16-S8PN16-H1EP200-V5-V3-E
		10	NBR	Ductile iron polyamide coated	578678	VZAS-L-125-10-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578758	VZAS-L-125-10-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578679	VZAS-L-125-10-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578759	VZAS-L-125-10-S8PN16-H1EP200-V5-V3-E
	150	16	NBR	Ductile iron polyamide coated	578640	VZAS-L-150-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578720	VZAS-L-150-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578641	VZAS-L-150-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578721	VZAS-L-150-16-S8PN16-H1EP200-V5-V3-E
		10	NBR	Ductile iron polyamide coated	578680	VZAS-L-150-10-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578760	VZAS-L-150-10-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578681	VZAS-L-150-10-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578761	VZAS-L-150-10-S8PN16-H1EP200-V5-V3-E
	200	16	NBR	Ductile iron polyamide coated	578643	VZAS-L-200-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578723	VZAS-L-200-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578642	VZAS-L-200-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578722	VZAS-L-200-16-S8PN16-H1EP200-V5-V3-E
		10	NBR	Ductile iron polyamide coated	578683	VZAS-L-200-10-S8PN10-H1EP200-V5-H1PA250-N
				Stainless steel	578763	VZAS-L-200-10-S8PN10-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578682	VZAS-L-200-10-S8PN10-H1EP200-V5-H1PA250-E
				Stainless steel	578762	VZAS-L-200-10-S8PN10-H1EP200-V5-V3-E
	250	16	NBR	Ductile iron polyamide coated	578645	VZAS-L-250-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578725	VZAS-L-250-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578644	VZAS-L-250-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578724	VZAS-L-250-16-S8PN16-H1EP200-V5-V3-E
		10	NBR	Ductile iron polyamide coated	578685	VZAS-L-250-10-S8PN10-H1EP200-V5-H1PA250-N
				Stainless steel	578765	VZAS-L-250-10-S8PN10-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578684	VZAS-L-250-10-S8PN10-H1EP200-V5-H1PA250-E
				Stainless steel	578764	VZAS-L-250-10-S8PN10-H1EP200-V5-V3-E
	300	16	NBR	Ductile iron polyamide coated	578647	VZAS-L-300-16-S8PN16-H1EP200-V5-H1PA250-N
				Stainless steel	578727	VZAS-L-300-16-S8PN16-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578646	VZAS-L-300-16-S8PN16-H1EP200-V5-H1PA250-E
				Stainless steel	578726	VZAS-L-300-16-S8PN16-H1EP200-V5-V3-E
		10	NBR	Ductile iron polyamide coated	578687	VZAS-L-300-10-S8PN10-H1EP200-V5-H1PA250-N
				Stainless steel	578767	VZAS-L-300-10-S8PN10-H1EP200-V5-V3-N
			EPDM	Ductile iron polyamide coated	578686	VZAS-L-300-10-S8PN10-H1EP200-V5-H1PA250-E
				Stainless steel	578766	VZAS-L-300-10-S8PN10-H1EP200-V5-V3-E

PA Product Portfolio System and Component Solutions

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