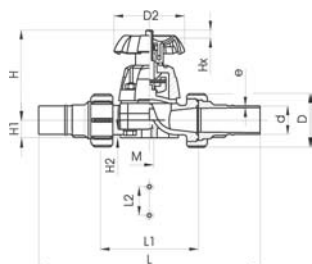


Diaphragm valves

SYGEF® PLUS Diaphragm valve type 314 With butt fusion spigots

J



Model:

- Diaphragm PTFE with EPDM backing diaphragm (FDA compliant)
- For easy installation and removal
- Short overall length
- Welding dimension: PN16

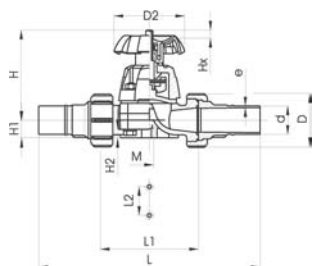
Option:

- Handwheel with built-in locking mechanism (standard version is nonlockable)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg	
20	15	10	72	175 314 362	0.500	
25	20	10	137	175 314 363	0.725	
32	25	10	207	175 314 364	1.000	
40	32	10	354	175 314 365	1.600	
50	40	10	517	175 314 366	2.092	
63	50	10	713	175 314 367	3.619	

d [mm]	D [mm]	D2 [mm]	e [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	M	
20	45	80	1.9	90	14	12	225	90	25	M6	
25	55	80	1.9	101	18	12	242	108	25	M6	
32	62	94	2.4	117	22	12	254	116	25	M6	
40	75	117	2.4	127	26	15	308	134	45	M8	
50	84	117	3.0	139	32	15	330	154	45	M8	
63	101	152	3.0	172	39	15	373	184	45	M8	

PF 2 65 435



SYGEF® PLUS Diaphragm valve type 314 HTR With butt fusion spigots

J

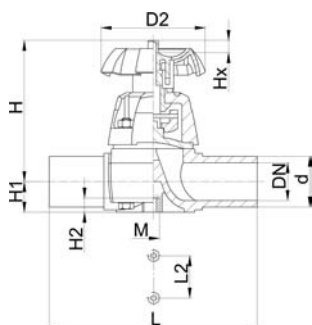
Model:

- High Temperature Resistant (HTR)
- With additional sealing element FPM white (FDA compliant)
- Diaphragm PTFE with EPDM backing diaphragm (FDA compliant)
- For easy installation and removal
- Short overall length
- Welding dimension: PN16
- Red handwheel

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM FPM SEALING ELEMENT Code	kg	
20	15	10	72	175 314 662	0.500	
25	20	10	137	175 314 663	0.725	
32	25	10	207	175 314 664	1.000	
40	32	10	354	175 314 665	1.600	
50	40	10	517	175 314 666	2.092	
63	50	10	713	175 314 667	3.619	

d [mm]	D [mm]	D2 [mm]	e [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	M	
20	45	80	1.9	90	14	12	225	90	25	M6	
25	55	80	1.9	101	18	12	242	108	25	M6	
32	62	94	2.4	117	22	12	254	116	25	M6	
40	75	117	2.4	127	26	15	308	134	45	M8	
50	84	117	3.0	139	32	15	330	154	45	M8	
63	101	152	3.0	172	39	15	373	184	45	M8	

PF 2 65 435



PF 2 37 206

SYGEF® PLUS

Diaphragm valve type 315

With butt fusion ends metric

J

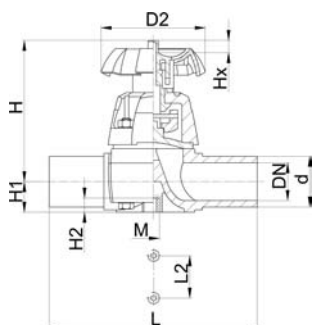
Model:

- Diaphragm PTFE with EPDM backing diaphragm (FDA compliant)
- Welding dimension: PN16

Option:

- Handwheel with built-in locking mechanism (standard version is nonlockable)

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE with EPDM supp. diaphragm Code	kg	D2 [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L2 [mm]	M
20	15	10	72	175 315 562	0.360	80	90	14	12	124	25	M6
25	20	10	137	175 315 563	0.560	80	102	18	12	144	25	M6
32	25	10	207	175 315 564	0.804	94	119	21	12	154	25	M6
40	32	10	354	175 315 565	1.025	117	126	26	15	174	45	M8
50	40	10	517	175 315 566	1.480	117	139	33	15	194	45	M8
63	50	10	713	175 315 567	2.581	152	172	39	15	224	45	M8
75	65	10	992	175 315 368	4.343	152	210	46	15	214	70	M8



PF 2 37 206

SYGEF® PLUS

Diaphragm valve type 315 HTR

With butt fusion ends metric

J

Model:

- High Temperature Resistent (HTR)
- Diaphragm PTFE with EPDM backing diaphragm (FDA compliant)
- With additional sealing element FPM white (FDA compliant)
- Welding dimension: PN16
- Further versions: with backing diaphragm FPM on request
- Red handwheel

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM FPM SEALING ELEMENT Code	kg	D2 [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L2 [mm]	M
20	15	10	72	175 315 602	0.360	80	90	14	12	124	25	M6
25	20	10	137	175 315 603	0.560	80	102	18	12	144	25	M6
32	25	10	207	175 315 604	0.804	94	119	21	12	154	25	M6
40	32	10	354	175 315 605	1.025	117	126	26	15	174	45	M8
50	40	10	517	175 315 606	1.480	117	139	33	15	194	45	M8
63	50	10	713	175 315 607	2.581	152	172	39	15	224	45	M8



SYGEF® PLUS

Diaphragm valve type 317

Flanged connection metric

J

Model:

- DN 15-65 with backing flange
- DN 80-150 with fixed flange
- Overall length according to EN 558-1
- Diaphragm PTFE with EPDM backing diaphragm (FDA compliant)

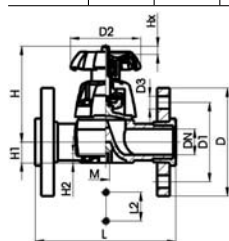
Option:

- Handwheel with built-in locking mechanism (standard version is nonlockable)

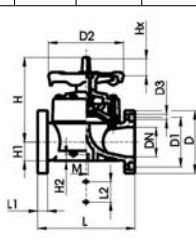
* DN80 and DN150 fixed flanges metric and Inch ANSI B16.5

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg	
20	15	½	10	72	175 317 447	0.580	
25	20	¾	10	137	175 317 448	0.858	
32	25	1	10	207	175 317 449	1.205	
40	32	1 ¼	10	354	175 317 450	2.270	
50	40	1 ½	10	517	175 317 451	2.260	
63	50	2	10	713	175 317 452	3.700	
75	65	2 ½	10	992	175 317 453	5.700	
*90	80	3	10	1700	175 317 054	10.700	
110	100	4	10	2700	175 317 055	14.890	
*160	150	6	7	6033	175 317 057	31.000	

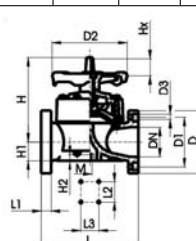
d [mm]	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	M	AL	
20	95	65	80	14	90	14	12	130		25		M6	4	
25	105	75	80	14	102	18	12	150		25		M6	4	
32	115	85	94	14	119	21	12	160		25		M6	4	
40	140	100	117	18	126	26	15	180		45		M8	4	
50	150	110	117	18	139	33	15	200		45		M8	4	
63	165	125	152	18	172	39	15	230		45		M8	4	
75	185	145	152	18	201	46	15	290		70		M8	4	
*90	200	152	270	18	265	57	23	310	35	120		M12	8	
110	225	180	270	18	302	68	23	350	35	120		M12	8	
*160	285	240	400	22	437	108	23	480	26	100	200	M12	8	



DN 15-65



DN 80-100



DN 150

PF 2 37 206



SYGEF® PLUS

Diaphragm valve type 317

Flanged version ANSI

J

Model:

- DN 15-65 with backing flange
- DN 80-150 with fixed flange
- Overall length according to EN 558-1
- Diaphragm PTFE with EPDM backing diaphragm (FDA compliant)

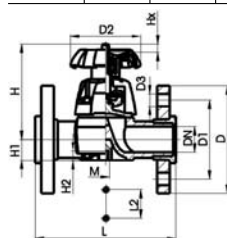
Option:

- Handwheel with built-in locking mechanism (standard version is nonlockable)

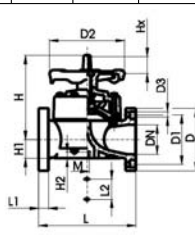
* DN80 and DN150 fixed flanges metric and Inch ANSI B16.5

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE with EPDM supp. Diaphragm Code	kg	
20	15	½	10	72	175 317 562	0.760	
25	20	¾	10	137	175 317 563	1.210	
32	25	1	10	207	175 317 564	1.620	
40	32	1 ¼	10	354	175 317 565	2.270	
50	40	1 ½	10	517	175 317 566	2.810	
63	50	2	10	713	175 317 567	4.230	
75	65	2 ½	10	992	175 317 568	5.700	
*90	80	3	10	1700	175 317 054	10.700	
110	100	4	10	2700	175 317 355	14.950	

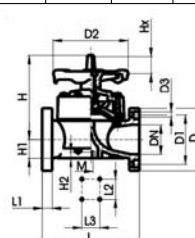
d [mm]	D [mm]	D1 [mm]	D2 [mm]	D3 [mm]	H [mm]	H1 [mm]	H2 [mm]	L [mm]	L1 [mm]	L2 [mm]	M	AL	
20	95	61	80	14	90	14	12	130		25	M6	4	
25	105	70	80	14	93	18	12	150		25	M6	4	
32	115	80	94	14	119	21	12	160		25	M6	4	
40	140	89	117	18	126	26	15	180		45	M8	4	
50	150	99	117	18	139	33	15	200		45	M8	4	
63	165	121	152	18	172	39	15	230		45	M8	4	
75	185	140	152	18	201	46	15	290		70	M8	4	
*90	200	152	270	18	265	57	23	310	35	120	M12	8	
110	225	191	270	18	302	68	23	350	35	120	M12	8	



DN 15-65

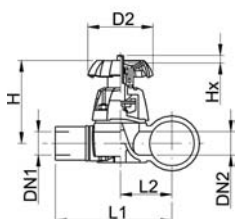
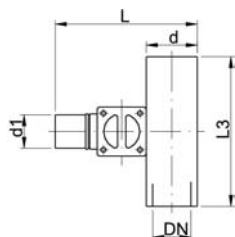


DN 80-100



DN 150

PF 2 37 206



SYGEF® PLUS

Diaphragm valve type 319

With butt fusion spigots

J

Model:

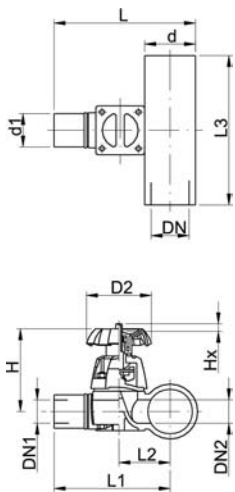
- Diaphragm PTFE with EPDM backing diaphragm (FDA compliant)
- Welding dimension: PN16

Option:

- Handwheel with built-in locking mechanism (standard version is nonlockable)

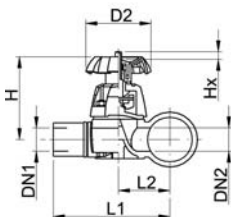
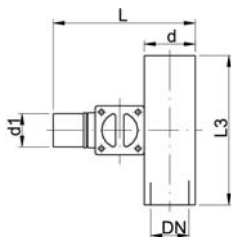
d [mm]	d1 [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg	
20	20	15	15	15	10	47	175 319 301	0.366	
25	20	20	15	20	10	69	175 319 303	0.546	
25	25	20	20	20	10	91	175 319 304	0.548	
32	20	25	15	25	10	86	175 319 307	0.759	
32	25	25	20	25	10	126	175 319 308	0.756	
32	32	25	25	25	10	156	175 319 309	0.754	
40	20	32	15	25	10	84	175 319 312	0.449	
40	25	32	20	25	10	124	175 319 313	0.810	
40	32	32	25	25	10	161	175 319 314	0.810	
40	40	32	32	32	10	250	175 319 315	1.210	
50	20	40	15	25	10	82	175 319 318	0.873	
50	25	40	20	25	10	124	175 319 319	0.934	
50	32	40	25	25	10	159	175 319 320	0.868	
50	40	40	32	40	10	312	175 319 321	1.685	
50	50	40	40	40	10	356	175 319 322	1.680	
63	20	50	15	25	10	81	175 319 325	0.937	
63	25	50	20	25	10	115	175 319 326	0.934	
63	32	50	25	25	10	156	175 319 327	0.932	
63	40	50	32	50	10	383	175 319 328	2.635	
63	50	50	40	50	10	487	175 319 329	2.610	
63	63	50	50	50	10	544	175 319 330	2.615	
75	40	65	32	32	10	256	175 319 336	1.320	
75	50	65	40	50	10	497	175 319 337	2.710	
75	63	65	50	50	10	546	175 319 338	2.710	
90	20	80	15	25	10	88	175 319 341	1.178	
90	25	80	20	25	10	133	175 319 342	1.176	
90	32	80	25	25	10	162	175 319 343	1.172	
90	50	80	40	50	10	504	175 319 345	2.968	
90	63	80	50	50	10	530	175 319 346	2.968	
110	20	100	15	25	10	89	175 319 351	1.288	
110	25	100	20	25	10	123	175 319 352	1.286	
110	32	100	25	25	10	159	175 319 353	1.283	
110	50	100	50	50	10	503	175 319 355	3.258	
110	63	100	50	50	10	543	175 319 356	3.250	

d [mm]	Lift = Hx [mm]	D2 [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
20	8	80	87	106	96	30	140	
25	11	80	101	121	108	36	150	
25	11	80	101	121	108	36	150	
32	13	94	119	137	120	43	160	
32	13	94	119	137	120	43	160	
32	13	94	119	137	120	43	160	
40	12	94	116	149	128	51	180	
40	12	94	116	149	128	51	180	
40	12	94	116	149	128	51	180	
40	16	117	127	174	153	56	190	
50	8	94	116	159	134	57	180	
50	13	94	119	159	134	57	180	
50	13	94	119	159	134	57	180	
50	19	117	139	195	169	66	200	



d [mm]	Lift = Hx [mm]	D2 [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
50	19	117	139	195	169	66	200	
63	13	94	116	175	144	67	180	
63	13	94	116	175	144	67	180	
63	13	94	119	175	144	67	180	
63	27	152	172	223	192	80	220	
63	28	152	172	225	192	80	220	
63	27	152	172	223	192	80	220	
75	16	117	126	203	166	78	190	
75	27	152	172	236	198	86	220	
75	27	152	172	236	198	86	220	
90	13	94	119	204	159	82	160	
90	13	94	119	204	159	82	160	
90	13	94	119	204	159	82	160	
90	28	152	172	252	207	95	220	
90	28	152	172	252	207	95	220	
110	13	94	116	226	171	94	160	
110	13	94	116	226	171	94	160	
110	13	94	116	226	171	94	160	
110	28	152	172	274	219	107	220	
110	28	152	172	274	219	107	220	

PF 2 65 435



SYGEF® Plus Diaphragm valve type 319 HTR With butt fusion spigots

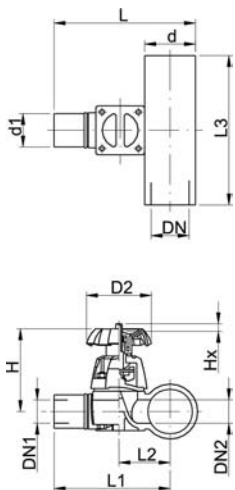
J

Model:

- High Temperature Resistant (HTR)
- Diaphragm PTFE with EPDM backing diaphragm (FDA compliant)
- Suitable for butt and BCF® fusion
- Welding dimension: PN16
- With additional sealing element FPM white (FDA compliant)
- Red handwheel

d [mm]	d1 [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	WITH PTFE/EPDM FPM SEALING ELEMENT Code	kg	
20	20	15	15	15	10	47	175 319 601	0.366	
25	20	20	15	20	10	69	175 319 603	0.546	
25	25	20	20	20	10	91	175 319 604	0.548	
32	20	25	15	25	10	86	175 319 607	0.759	
32	25	25	20	25	10	126	175 319 608	0.756	
32	32	25	25	25	10	156	175 319 609	0.754	
40	20	32	15	25	10	84	175 319 612	0.449	
40	25	32	20	25	10	124	175 319 613	0.810	
40	32	32	25	25	10	161	175 319 614	0.810	
40	40	32	32	32	10	250	175 319 615	1.210	
50	20	40	15	25	10	82	175 319 618	0.873	
50	25	40	20	25	10	124	175 319 619	0.872	
50	32	40	25	25	10	159	175 319 620	0.868	
50	40	40	32	40	10	312	175 319 621	1.685	
50	50	40	40	40	10	356	175 319 622	1.680	
63	20	50	15	25	10	81	175 319 625	0.937	
63	25	50	20	25	10	115	175 319 626	0.934	
63	32	50	25	25	10	156	175 319 627	0.932	
63	40	50	32	50	10	383	175 319 628	2.635	
63	50	50	40	50	10	487	175 319 629	2.610	
63	63	50	50	50	10	544	175 319 630	2.615	
75	40	65	32	32	10	256	175 319 636	1.320	
75	50	65	40	50	10	497	175 319 637	2.710	
75	63	65	50	50	10	546	175 319 638	2.710	
90	20	80	15	25	10	88	175 319 641	1.178	
90	25	80	20	25	10	133	175 319 642	1.176	
90	32	80	25	25	10	162	175 319 643	1.172	
90	50	80	40	50	10	504	175 319 645	2.968	
90	63	80	50	50	10	530	175 319 646	2.968	
110	20	100	15	25	10	89	175 319 651	1.288	
110	25	100	20	25	10	123	175 319 652	1.286	
110	32	100	25	25	10	159	175 319 653	1.283	
110	50	100	40	50	10	503	175 319 655	3.258	
110	63	100	50	50	10	543	175 319 656	3.250	

d [mm]	Lift = Hx [mm]	D2 [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
20	8	80	87	106	96	30	140	
25	11	80	101	121	108	36	150	
25	11	80	101	121	108	36	150	
32	13	94	119	137	120	43	160	
32	13	94	119	137	120	43	160	
32	13	94	119	137	120	43	160	
40	12	94	116	149	128	51	180	
40	12	94	116	149	128	51	180	
40	12	94	116	149	128	51	180	



d [mm]	Lift = Hx [mm]	D2 [mm]	H [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	
40	16	117	127	174	153	56	190	
50	8	94	116	159	134	57	180	
50	13	94	119	159	134	57	180	
50	13	94	119	159	134	57	180	
50	19	117	139	195	169	66	200	
50	19	117	139	195	169	66	200	
63	13	94	116	175	144	67	180	
63	13	94	116	175	144	67	180	
63	13	94	119	175	144	67	180	
63	27	152	172	223	192	80	220	
63	28	152	172	225	192	80	220	
63	27	152	172	223	192	80	220	
75	16	117	126	203	166	78	190	
75	27	152	172	236	198	86	220	
75	27	152	172	236	198	86	220	
90	13	94	119	204	159	82	160	
90	13	94	119	204	159	82	160	
90	13	94	119	204	159	82	160	
90	28	152	172	252	207	95	220	
90	28	152	172	252	207	95	220	
110	13	94	116	226	171	94	160	
110	13	94	116	226	171	94	160	
110	13	94	116	226	171	94	160	
110	28	152	172	274	219	107	220	
110	28	152	172	274	219	107	220	

PF 2 65 435

Type 522 Sample Valves

B



PF 2 35 440

Inch	PN	Description	Code	kg	
1/4	16	1/4 NPT Port- Globe Body	155 522 554	0.140	
3/8	16	1/4 NPT Port- Globe Body	155 522 555	0.140	
1/2	16	1/4 NPT Port- Globe Body	155 522 556	0.140	
1/4	16	1/4 NPT Port- Angle Body	155 522 579	0.140	
3/8	16	1/4 NPT Port- Angle Body	155 522 580	0.140	
1/2	16	1/4 NPT Port- Angle Body	155 522 581	0.140	

SYGEF® Plus

Butterfly Valve Type 365 Lug-Style - Bareshaft



Model:

- Metal lugged body with epoxy-coating
- PFA coated disc with PTFE liner
- HP produced & double-bagged
- Bareshaft to ISO5211
- Lugged body to ANSI B16.5 #150 or ISO/EN 1092 PN16
- Pneumatic actuated version available, see separate page

d (mm)	DN (mm)	Inch	PN	Kv value L/min (ΔP=1BAR)	Lugged ANSI B16.5 #150 Code	Lugged ISO/EN 1092 Code	KG	Torque Nm	ISO5211 (square shaft)
63	50	2	16	3199	160 365 423	160 365 551	4.7	30	F07/11mm
75	65	2½	16	3199	160 365 424	160 365 552	6	30	F07/11mm
90	80	3	16	6497	160 365 425	160 365 553	6.5	40	F07/11mm
110	100	4	16	9696	160 365 426	160 365 554	8.5	50	F07/14mm
140	125	5	16	16808	160 365 427	160 365 555	10.6	60	F07/14mm
160	150	6	16	24762	160 365 428	160 365 556	13.9	110	F07/17mm
225	200	8	10	50523	160 365 429	160 365 557	17.9	180	F10/17mm
280	250	10	10	74713	160 365 430	160 365 558	27.2	250	F10/22mm
315	300	12	10	119438	160 365 431	160 365 559	35.9	350	F10/22mm

Handlever for Butterfly Valve Type 365



d	DN	Inch	Code
63-90	50-80	2-3	161 486 065
110-140	100-125	4-5	161 486 066
160	150	6	161 486 067

Gearbox for Butterfly Valve Type 365



d	DN	Inch	Code
63-90	50-80	2-3	198 806 690
110-140	100-125	4-5	198 806 691
160-225	150-200	6-8	198 806 692
280-315	250-300	10-12	198 806 693

- Order bareshaft valve and handlever/gearbox as separate items

Diaphragm valves pneumatic

SYGEF® PLUS

Diaphragm valve type DIASTAR 028

Function FC (Fail safe to close)

With butt fusion spigots IR metric

E

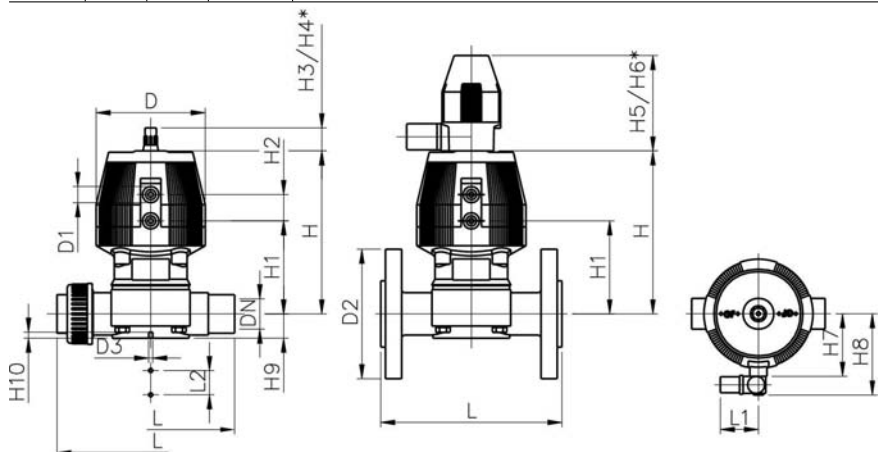
- With position indicator / Working pressure: **one side**



d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg	
20	15	5	72	199 028 971	0.520	
25	20	7	120	199 028 972	0.950	
32	25	7	238	199 028 973	1.370	
40	32	7	341	199 028 974	1.810	
50	40	7	460	199 028 975	3.350	
63	50	7	685	199 028 976	6.270	

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	124	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	144	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	154	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	174	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	194	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	224	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
20	14	12	8	
25	18	12	10	
32	21	12	12	
40	26	15	14	
50	33	15	18	
63	39	15	22	



PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 028

Function FC (Fail safe to close)

Unions with fusion spigots metric

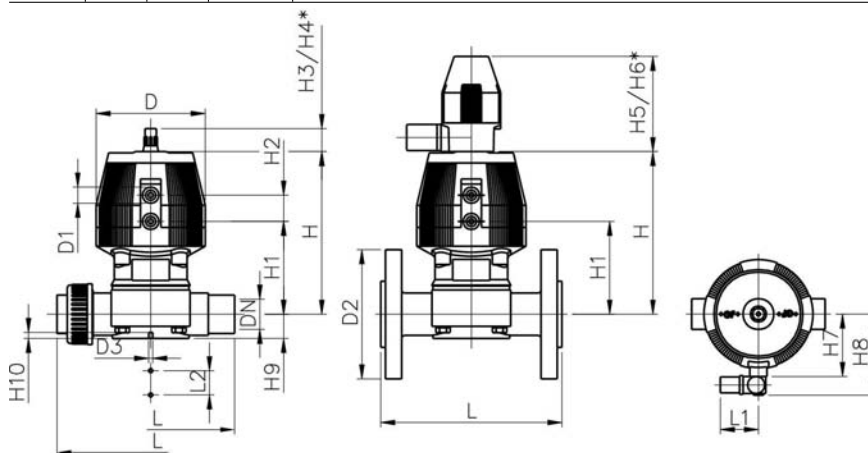
E

- With position indicator / Working pressure: **one side**

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg	
20	15	5	72	199 028 401	0.839	
25	20	7	120	199 028 402	0.950	
32	25	7	238	199 028 403	1.370	
40	32	7	341	199 028 404	2.370	
50	40	7	460	199 028 405	3.850	
63	50	7	685	199 028 406	6.270	

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	225	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	242	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	254	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	308	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	330	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	373	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
20	14	12	8	
25	18	12	10	
32	21	12	12	
40	26	15	14	
50	33	15	18	
63	39	15	22	



PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 028

Function FC (Fail safe to close)

With backing flanges PP-V metric

E

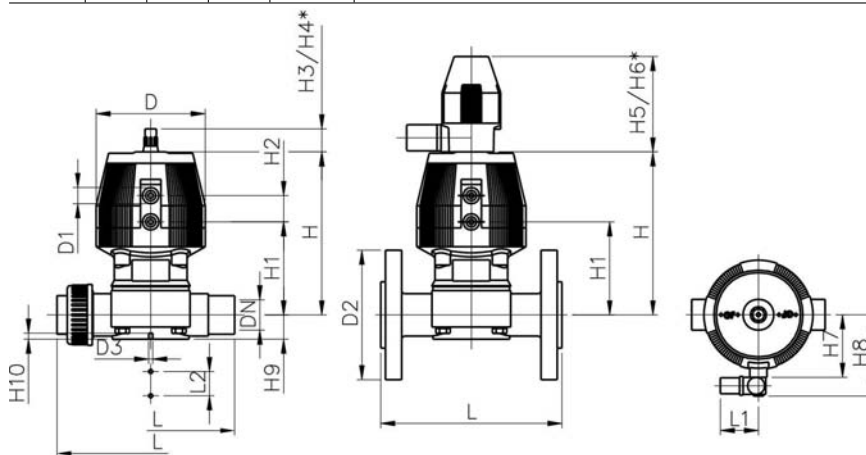
Model:

- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504
- With position indicator / Working pressure: **one side**

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg	
20	15	½	5	72	199 028 441	0.890	
25	20	¾	7	120	199 028 442	1.300	
32	25	1	7	238	199 028 443	1.820	
40	32	1 ¼	7	341	199 028 444	2.370	
50	40	1 ½	7	460	199 028 445	3.850	
63	50	2	7	685	199 028 446	6.350	

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]
20	68	⅝	6	95	130	60	25	98	59	24	23	44	100	155	44
25	96	⅝	6	105	150	60	25	127	71	25	23	44	100	155	56
32	96	⅝	6	115	160	60	25	141	85	25	23	44	100	155	56
40	120	⅝	8	140	180	60	45	167	97	26	36	64	100	160	68
50	150	⅝	8	150	200	60	45	198	108	36	36	64	100	170	85
63	150	⅝	8	165	230	60	45	216	126	36	36	64	100	170	85

d [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
20	76	14	12	8	
25	88	18	12	10	
32	88	21	12	12	
40	100	26	15	14	
50	117	33	15	18	
63	117	39	15	22	



PF 3 39 212



SYGEF® PLUS Diaphragm valve type DIASTAR 028 Function FC (Fail safe to close) With backing flanges PP-V ANSI

E

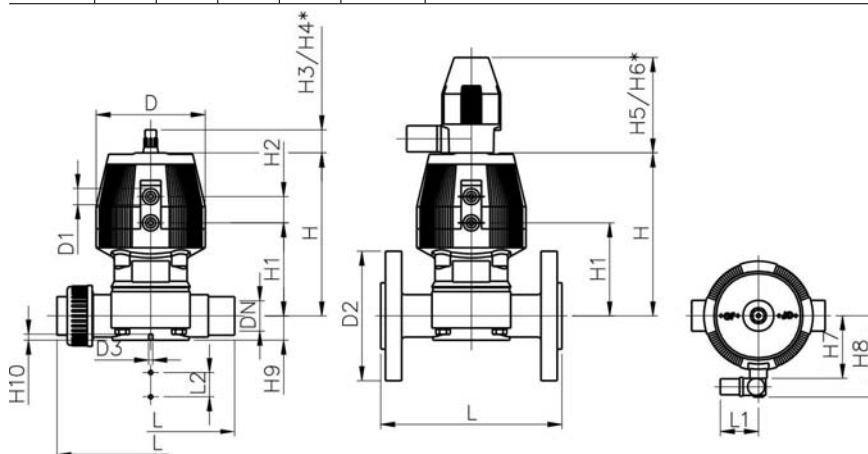
Model:

- Overall length according to EN 558-1
- Connecting dimension: ANSI B 16.5 class 150 (ASTM D 4024), BS EN 1759
- With position indicator / Working pressure: **one side**

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code											
1/2	15	5	72	199 028 581											
3/4	20	7	120	199 028 582											
1	25	7	238	199 028 583											
1 1/4	32	7	341	199 028 584											
1 1/2	40	7	460	199 028 585											
2	50	7	685	199 028 586											

Inch	D [mm]	D1_G [inch]	D3[M] [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	
1/2	68	1/8	6	95	130	60	25	98	59	24	23	44	100	155	
3/4	96	1/8	6	105	150	60	25	127	71	25	23	44	100	155	
1	96	1/8	6	115	160	60	25	141	85	25	23	44	100	155	
1 1/4	120	1/8	8	140	180	60	45	167	97	26	36	64	100	160	
1 1/2	150	1/4	8	150	200	60	45	198	108	36	36	64	100	170	
2	150	1/4	8	165	230	60	45	216	126	36	36	64	100	170	

Inch	H7 [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
1/2	44	76	14	12	8	
3/4	56	88	18	12	10	
1	56	88	21	12	12	
1 1/4	68	100	26	15	14	
1 1/2	85	117	33	15	18	
2	85	117	39	15	22	



PF 3 39 212



SYGEF® PLUS Diaphragm valve type DIASTAR 025 Function FC (Fail safe to close) With butt fusion spigots IR metric

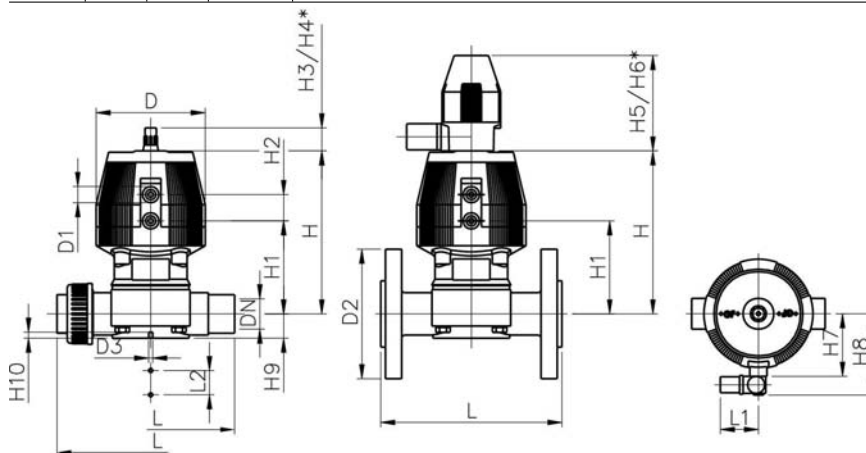
E

- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg
20	15	10	72	199 025 971	0.839
25	20	10	120	199 025 972	0.936
32	25	10	238	199 025 973	1.705
40	32	10	341	199 025 974	2.904
50	40	10	460	199 025 975	4.665
63	50	10	685	199 025 976	5.353

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	96	1/8	6	124	60	25	125	69	25	23	44	100	155	56	86
25	96	1/8	6	144	60	25	127	71	25	23	44	100	155	56	88
32	120	1/8	6	154	60	25	163	93	26	36	64	100	155	68	100
40	150	1/4	8	174	60	45	196	106	36	36	64	100	160	85	117
50	180	1/4	8	194	60	45	227	119	37	36	64	100	170	101	133
63	180	1/4	8	224	60	45	241	133	37	36	64	100	170	101	133

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function FC (Fail safe to close)

Unions with fusion spigots metric

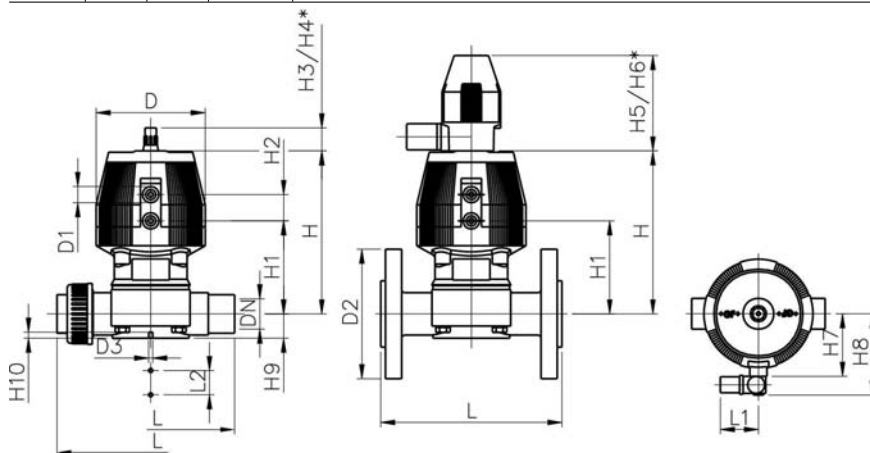
E

- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg
20	15	10	72	199 027 401	0.839
25	20	10	120	199 027 402	0.936
32	25	10	238	199 027 403	1.705
40	32	10	341	199 027 404	2.370
50	40	10	460	199 027 405	2.510
63	50	10	685	199 027 406	5.353

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	96	1/8	6	196	60	25	125	69	25	23	44	100	155	56	86
25	96	1/8	6	220	60	25	127	71	25	23	44	100	155	56	88
32	120	1/8	6	234	60	25	163	93	26	36	64	100	155	68	100
40	150	1/4	8	258	60	45	196	106	36	36	64	100	160	85	117
50	180	1/4	8	284	60	45	227	119	37	36	64	100	170	101	133
63	180	1/4	8	320	60	45	241	133	37	36	64	100	170	101	133

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function FC (Fail safe to close)

With backing flanges PP-V metric

E

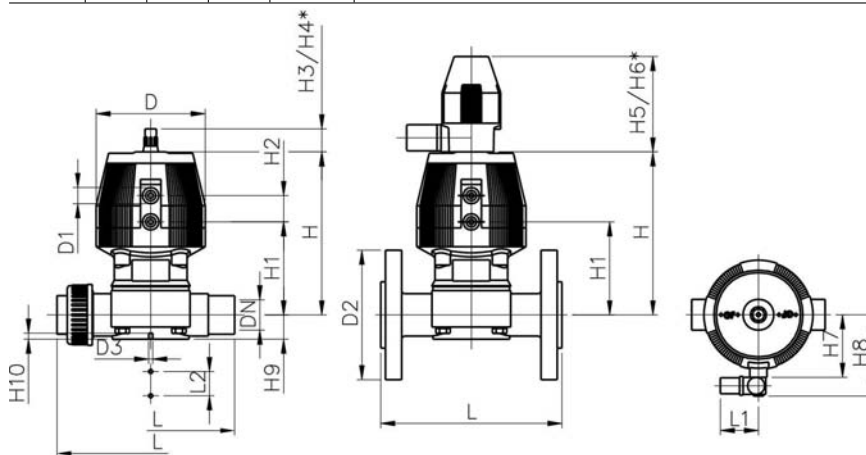
Model:

- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504
- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg	
20	15	½	10	72	199 025 441	0.274	
25	20	¾	10	120	199 025 442	0.936	
32	25	1	10	238	199 025 443	1.705	
40	32	1 ¼	10	341	199 025 444	2.904	
50	40	1 ½	10	460	199 025 445	4.665	
63	50	2	10	685	199 025 446	5.353	

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]
20	96	¾	6	95	130	60	25	125	69	25	23	44	100	155	56
25	96	¾	6	105	150	60	25	127	71	25	23	44	100	155	56
32	120	½	6	115	160	60	25	163	93	26	36	64	100	155	68
40	150	¼	8	140	180	60	45	196	106	36	36	64	100	160	85
50	180	¼	8	150	200	60	45	227	119	37	36	64	100	170	101
63	180	¼	8	165	230	60	45	241	133	37	36	64	100	170	101

d [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
20	86	14	12	8	
25	88	18	12	10	
32	100	21	12	12	
40	117	26	15	14	
50	133	33	15	18	
63	133	39	15	22	



PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function FC (Fail safe to close)

With fixed flanges PVDF metric

E

Model:

- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504
- With position indicator / Working pressure: both sides

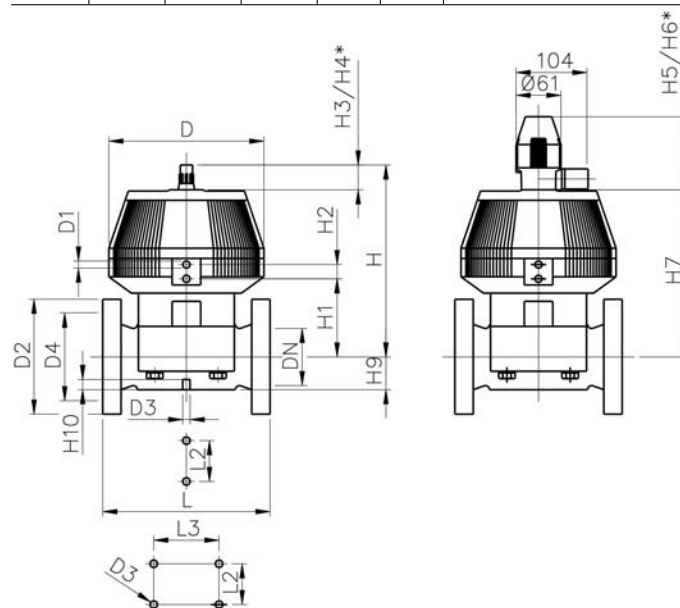
* With backing flanges PP-V

** Connecting dimensions DN80 and DN150 metric and Inch ANSI B16.5

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg							
*75	65	2 ½	10	992	199 025 447	13.600							
**90	80	3	10	1700	199 025 448	17.400							
110	100	4	8	2700	199 025 449	24.700							

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	D2 [mm]	D4 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	
*75	280	¼	8	185	145	290	70	344	148	24	46	100	
**90	280	¼	12	200	160	310	120	348	150	24	46	100	
110	335	¼	12	225	180	350	120	395	176	24	46	100	

d [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H9 [mm]	H10 [mm]	
*75	129	195	298	46	15	
**90	129	195	302	57	15	
110	129	195	349	69	20	



PF 3 39 212



SYGEF® PLUS Diaphragm valve type DIASTAR 025 Function FC (Fail safe to close) With backing flanges PP-V ANSI

E

Model:

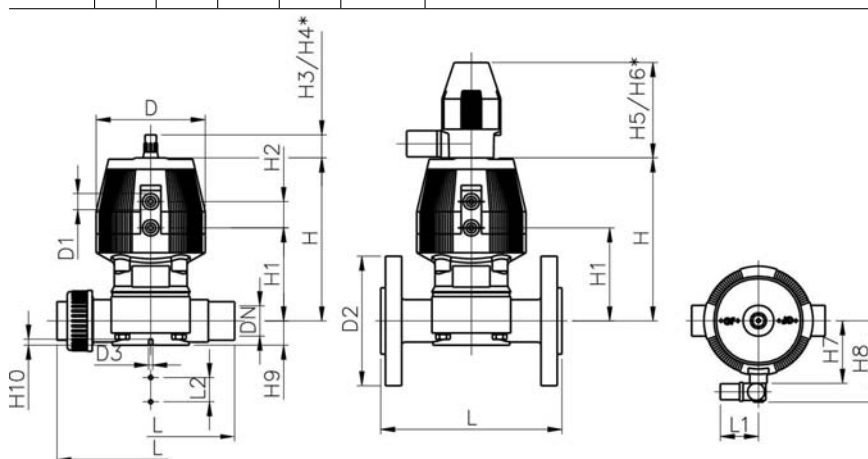
- Overall length according to EN 558-1
- Connecting dimension: ANSI B 16.5 class 150 (ASTM D 4024), BS EN 1759

- With position indicator / Working pressure: both sides

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg	
1/2	15	10	72	199 027 581	0.274	
3/4	20	10	120	199 027 582		
1	25	10	238	199 027 583	1.705	
1 1/4	32	10	341	199 027 584	2.904	
1 1/2	40	10	460	199 027 585		
2	50	10	685	199 027 586		

Inch	D [mm]	D1_G [inch]	D3[M] [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]
1/2	96	1/8	6	95	130	60	25	125	69	25	23	44	100	155
3/4	96	1/8	6	105	150	60	25	127	71	25	23	44	100	155
1	120	1/8	6	115	160	60	25	163	93	26	36	64	100	155
1 1/4	150	1/4	8	140	180	60	45	196	106	36	36	64	100	160
1 1/2	180	1/4	8	150	200	60	45	227	119	37	36	64	100	170
2	180	1/4	8	165	230	60	45	241	133	37	36	64	100	170

Inch	H7 [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
1/2	56	86	14	12	8	
3/4	56	88	18	12	10	
1	68	100	21	12	12	
1 1/4	85	117	26	15	14	
1 1/2	101	133	33	15	18	
2	101	133	39	15	22	



PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function FC (Fail safe to close)

With fixed flanges PVDF ANSI

E

Model:

- Overall length according to EN 558-1
- Connecting dimension: ANSI B 16.5 class 150 (ASTM D 4024), BS EN 1759
- With position indicator / Working pressure: both sides

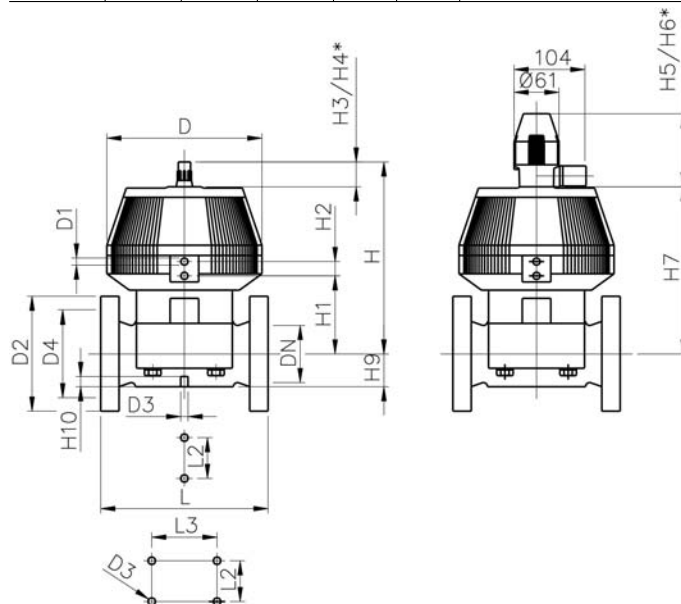
* With backing flanges PP-V

** Connecting dimensions DN80 and DN150 metric and Inch ANSI B16.5

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg								
*2 1/2	65	10	992	199 025 387	14.200								
**3	80	10	1700	199 025 448	17.400								
4	100	8	2700	199 025 389	26.500								

Inch	D [mm]	D1_G [inch]	D3[M] [mm]	D2 [mm]	D4 [mm]	L [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	
*2 1/2	280	1/4	8	185	145	290	70	344	148	24	46	100	
**3	280	1/4	12	200	160	310	120	348	150	24	46	100	
4	335	1/4	12	225	180	350	120	395	176	24	46	100	

Inch	H5 [mm]	H6 [mm]	H7 [mm]	H9 [mm]	H10 [mm]								
*2 1/2	129	195	298	46	15								
**3	129	195	302	57	15								
4	129	195	349	69	20								



PF 3 39 212



SYGEF® PLUS

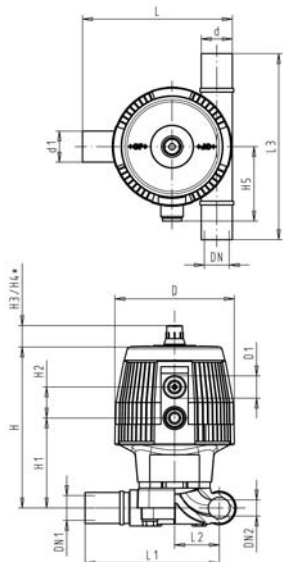
Diaphragm valve type DIASTAR 025

Function FC (Fail safe to close)

ZERO STATIC with butt fusion spigots ISO/DIN

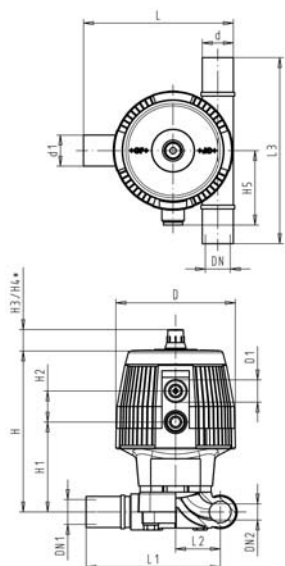
E

- With position indicator / Working pressure: both sides
- With position indicator
- DN2: for coordination of accessoires



d	d1	DN	DN1	DN2	PN	kv-value (Δp=1 bar)	PTFE Code	kg	
[mm]	[mm]	[mm]	[mm]	[mm]		[l/min]			
20	20	15	15	15	10	47	199 029 341	1.564	
25	20	20	15	20	10	69	199 029 342	1.097	
25	25	20	20	20	10	91	199 029 343	1.096	
32	20	25	15	25	10	86	199 029 344	2.701	
32	25	25	20	25	10	126	199 029 345	2.698	
32	32	25	25	25	10	156	199 029 346	2.696	
40	20	32	15	25	10	84	199 029 347	2.772	
40	25	32	20	25	10	124	199 029 348	2.773	
40	32	32	25	25	10	161	199 029 349	2.773	
40	40	32	32	32	10	250	199 029 350	3.093	
50	20	40	15	25	10	82	199 029 351	2.813	
50	25	40	20	25	10	124	199 029 352	2.812	
50	32	40	25	25	10	159	199 029 353	2.808	
50	40	40	32	40	10	312	199 029 354	5.107	
50	50	40	40	40	10	356	199 029 355	5.104	
63	20	50	15	25	10	81	199 029 356	2.877	
63	25	50	20	25	10	115	199 029 357	2.873	
63	32	50	25	25	10	156	199 029 358	2.872	
63	40	50	32	50	10	383	199 029 359	6.073	
63	50	50	40	50	10	487	199 029 360	6.071	
63	63	50	50	50	10	544	199 029 361	6.070	
75	40	65	32	32	10	256	199 029 362	3.368	
75	50	65	40	50	10	497	199 029 363	6.223	
75	63	65	50	50	10	546	199 029 364	6.231	
90	20	80	15	25	10	88	199 029 365	3.042	
90	25	80	20	25	10	133	199 029 366	2.655	
90	32	80	25	25	10	162	199 029 367	3.033	
90	50	80	40	50	10	504	199 029 368	6.347	
90	63	80	50	50	10	530	199 029 369	6.347	
110	20	100	15	25	10	89	199 029 370	3.228	
110	25	100	20	25	10	123	199 029 371	3.226	
110	32	100	25	25	10	159	199 029 372	3.223	
110	50	100	40	50	10	503	199 029 373	6.639	
110	63	100	50	50	10	543	199 029 374	6.624	

d	L	L1	L2	L3	H	H1	H2	H3	H4	H5	D	D1	Lift = Hx	
[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[inch]	[mm]	
20	106	96	30	140	128	69	25	23	44	56	96	⅜	8	
25	121	108	36	150	130	71	25	23	44	56	96	⅜	10	
25	121	108	36	150	130	71	25	23	44	56	96	⅜	10	
32	137	120	43	160	166	93	26	36	64	68	120	⅜	12	
32	137	120	43	160	166	93	26	36	64	68	120	⅜	12	
32	137	120	43	160	166	93	26	36	64	68	120	⅜	12	
40	149	128	51	180	166	93	26	36	64	68	120	⅜	12	
40	149	128	51	180	166	93	26	36	64	68	120	⅜	12	
40	149	128	51	180	166	93	26	36	64	68	120	⅜	12	
40	174	153	56	190	201	106	36	36	64	85	150	⅜	14	
50	159	134	57	180	166	93	26	36	64	68	120	⅜	12	
50	159	134	57	180	166	93	26	36	64	68	120	⅜	12	
50	159	134	57	180	166	93	26	36	64	68	120	⅜	12	
50	195	169	66	200	233	119	37	36	64	101	180	⅜	18	
50	195	169	66	200	233	119	37	36	64	101	180	⅜	18	
63	175	144	67	180	166	93	26	36	64	68	120	⅜	12	
63	175	144	67	180	166	93	26	36	64	68	120	⅜	12	
63	175	144	67	180	166	93	26	36	64	68	120	⅜	12	



d [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	D [mm]	D1 [inch]	Lift = Hx [mm]	
63	223	192	80	220	247	133	37	36	64	101	180	1/4	22	
63	225	192	80	220	247	133	37	36	64	101	180	1/4	22	
63	223	192	80	220	247	133	37	36	64	101	180	1/4	22	
75	203	166	78	190	201	106	36	36	64	85	150	1/8	14	
75	236	198	86	220	247	133	37	36	64	101	180	1/4	22	
75	236	198	86	220	247	133	37	36	64	101	180	1/4	22	
90	204	159	82	160	166	93	26	36	64	68	120	1/8	12	
90	204	159	82	160	166	93	26	36	64	68	120	1/8	12	
90	204	159	82	160	166	93	26	36	64	68	120	1/8	12	
90	252	207	95	220	247	133	37	36	64	101	180	1/4	22	
90	252	207	95	220	247	133	37	36	64	101	180	1/4	22	
110	226	171	94	160	166	93	26	36	64	68	120	1/8	12	
110	226	171	94	160	166	93	26	36	64	68	120	1/8	12	
110	226	171	94	160	166	93	26	36	64	68	120	1/8	12	
110	274	219	107	220	247	133	37	36	64	101	180	1/4	22	
110	274	219	107	220	247	133	37	36	64	101	180	1/4	22	

PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function FC (Fail safe to close)

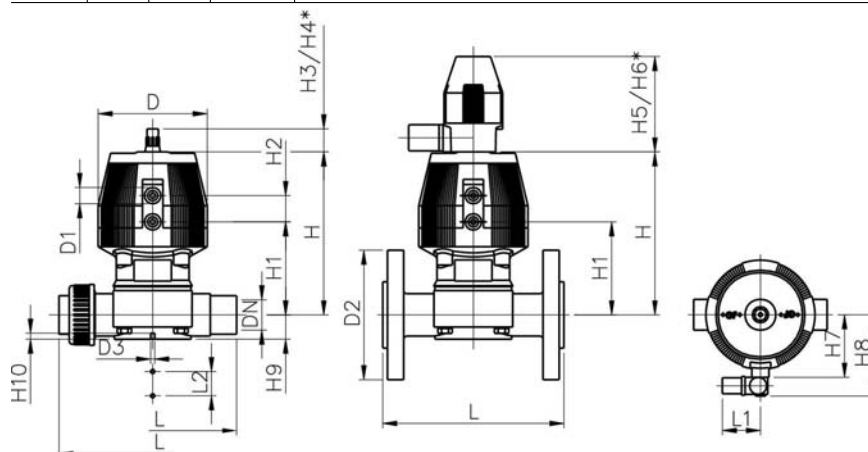
With butt fusion spigots IR metric HTR

- With position indicator / Working pressure: both sides for correct clamping and fusion jointing of flange adapters

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg
20	15	6	72	199 027 731	0.839
25	20	6	120	199 027 732	0.936
32	25	6	238	199 027 733	1.705
40	32	10	341	199 027 734	2.904
50	40	10	460	199 027 735	4.665
63	50	10	685	199 027 736	5.353

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	96	1/8	6	124	60	25	125	69	25	23	44	100	155	56	86
25	96	1/8	6	144	60	25	127	71	25	23	44	100	155	56	88
32	120	1/8	6	154	60	25	163	93	26	36	64	100	155	68	100
40	150	1/4	8	174	60	45	196	106	36	36	64	100	160	85	117
50	180	1/4	8	194	60	45	227	119	37	36	64	100	170	101	133
63	180	1/4	8	224	60	45	241	133	37	36	64	100	170	101	133

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function FC (Fail safe to close)

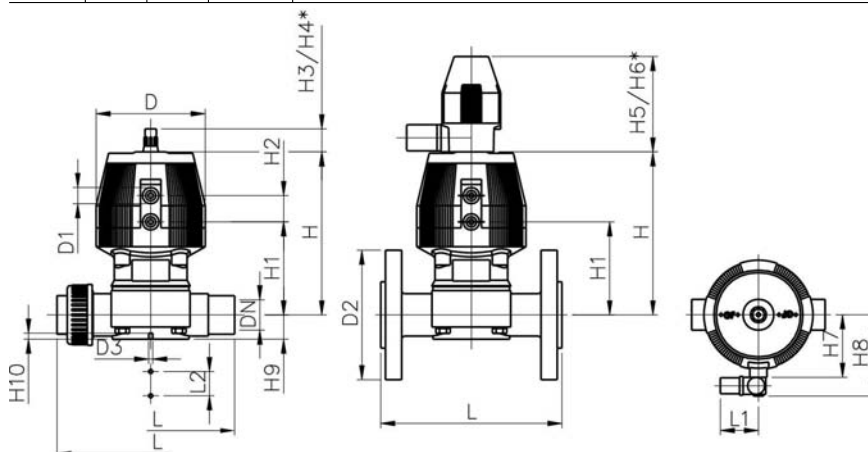
Unions with fusion spigots metric HTR

- With position indicator / Working pressure: both sides for correct clamping and fusion jointing of flange adapters

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg	
20	15	10	72	199 027 771	0.936	
25	20	10	120	199 027 772		
32	25	10	238	199 027 773		
40	32	10	341	199 027 774		
50	40	10	460	199 027 775		
63	50	10	685	199 027 776		

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	96	1/8	6	225	60	25	125	69	25	23	44	100	155	56	86
25	96	1/8	6	242	60	25	127	71	25	23	44	100	155	56	88
32	120	1/8	6	254	60	25	163	93	26	36	64	100	155	68	100
40	150	1/4	8	308	60	45	196	106	36	36	64	100	160	85	117
50	180	1/4	8	330	60	45	227	119	37	36	64	100	170	101	133
63	180	1/4	8	373	60	45	241	133	37	36	64	100	170	101	133

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
20	14	12	8	
25	18	12	10	
32	21	12	12	
40	26	15	14	
50	33	15	18	
63	39	15	22	



PF 3 39 212



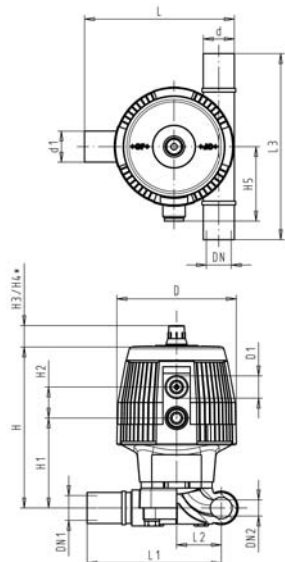
SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function FC (Fail safe to close)

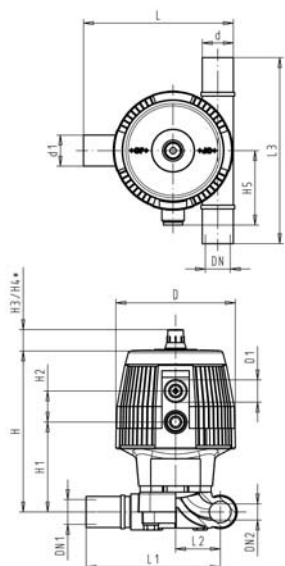
ZERO STATIC with butt fusion spigots metric HTR

- With position indicator / Working pressure: both sides for correct clamping and fusion jointing of flange adapters



d [mm]	d1 [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg	
20	20	15	15	15	10	47	199 027 811	0.900	
25	20	20	15	20	10	69	199 027 812		
25	25	20	20	20	10	91	199 027 813		
32	20	25	15	25	10	86	199 027 814		
32	25	25	20	25	10	126	199 027 815		
32	32	25	25	25	10	156	199 027 816	2.696	
40	20	32	15	25	10	84	199 027 817		
40	25	32	20	25	10	124	199 027 818		
40	32	32	25	25	10	161	199 027 819	3.093	
40	40	32	32	32	10	250	199 027 820		
50	20	40	15	25	10	82	199 027 821	1.500	
50	25	40	20	25	10	124	199 027 822		
50	32	40	25	25	10	159	199 027 823		
50	40	40	32	40	10	312	199 027 824		
50	50	40	40	40	10	356	199 027 825		
63	20	50	15	25	10	81	199 027 826		
63	25	50	20	25	10	115	199 027 827		
63	32	50	25	25	10	156	199 027 828		
63	40	50	32	50	10	383	199 027 829		
63	50	50	40	50	10	487	199 027 830		
63	63	50	50	50	10	544	199 027 831		
75	40	65	32	32	10	256	199 027 832		
75	50	65	40	50	10	497	199 027 833		
75	63	65	50	50	10	546	199 027 834		
90	20	80	15	25	10	88	199 027 835		
90	25	80	20	25	10	133	199 027 836		
90	32	80	25	25	10	162	199 027 837		
90	50	80	40	50	10	504	199 027 838		
90	63	80	50	50	10	530	199 027 839		
110	20	100	15	25	10	89	199 027 840		
110	25	100	20	25	10	123	199 027 841		
110	32	100	25	25	10	159	199 027 842		
110	50	100	40	50	10	503	199 027 843		
110	63	100	50	50	10	543	199 027 844		

d [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	D [mm]	D1 [inch]	Lift = Hx [mm]	
20	106	96	30	140	128	69	25	23	44	56	96	1/8	8	
25	121	108	36	150	130	71	25	23	44	56	96	1/8	10	
25	121	108	36	150	130	71	25	23	44	56	96	1/8	10	
32	137	120	43	160	166	93	26	36	64	68	120	1/8	12	
32	137	120	43	160	166	93	26	36	64	68	120	1/8	12	
32	137	120	43	160	166	93	26	36	64	68	120	1/8	12	
40	149	128	51	180	166	93	26	36	64	68	120	1/8	12	
40	149	128	51	180	166	93	26	36	64	68	120	1/8	12	
40	149	128	51	180	166	93	26	36	64	68	120	1/8	12	
40	174	153	56	190	201	106	36	36	64	85	150	1/8	14	
50	159	134	57	180	166	93	26	36	64	68	120	1/8	12	
50	159	134	57	180	166	93	26	36	64	68	120	1/8	12	
50	159	134	57	180	166	93	26	36	64	68	120	1/8	12	
50	195	169	66	200	233	119	37	36	64	101	180	1/4	18	
50	195	169	66	200	233	119	37	36	64	101	180	1/4	18	
63	175	144	67	180	166	93	26	36	64	68	120	1/8	12	
63	175	144	67	180	166	93	26	36	64	68	120	1/8	12	
63	175	144	67	180	166	93	26	36	64	68	120	1/8	12	
63	223	192	80	220	247	133	37	36	64	101	180	1/4	22	
63	225	192	80	220	247	133	37	36	64	101	180	1/4	22	



d [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	D [mm]	D1 [inch]	Lift = Hx [mm]	
63	223	192	80	220	247	133	37	36	64	101	180	1/4	22	
75	203	166	78	190	201	106	36	36	64	85	150	1/8	14	
75	236	198	86	220	247	133	37	36	64	101	180	1/4	22	
75	236	198	86	220	247	133	37	36	64	101	180	1/4	22	
90	204	159	82	160	166	93	26	36	64	68	120	1/8	12	
90	204	159	82	160	166	93	26	36	64	68	120	1/8	12	
90	204	159	82	160	166	93	26	36	64	68	120	1/8	12	
90	252	207	95	220	247	133	37	36	64	101	180	1/4	22	
90	252	207	95	220	247	133	37	36	64	101	180	1/4	22	
110	226	171	94	160	166	93	26	36	64	68	120	1/8	12	
110	226	171	94	160	166	93	26	36	64	68	120	1/8	12	
110	226	171	94	160	166	93	26	36	64	68	120	1/8	12	
110	274	219	107	220	247	133	37	36	64	101	180	1/4	22	
110	274	219	107	220	247	133	37	36	64	101	180	1/4	22	

PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function FO (Fail safe to open)

With butt fusion spigots IR metric

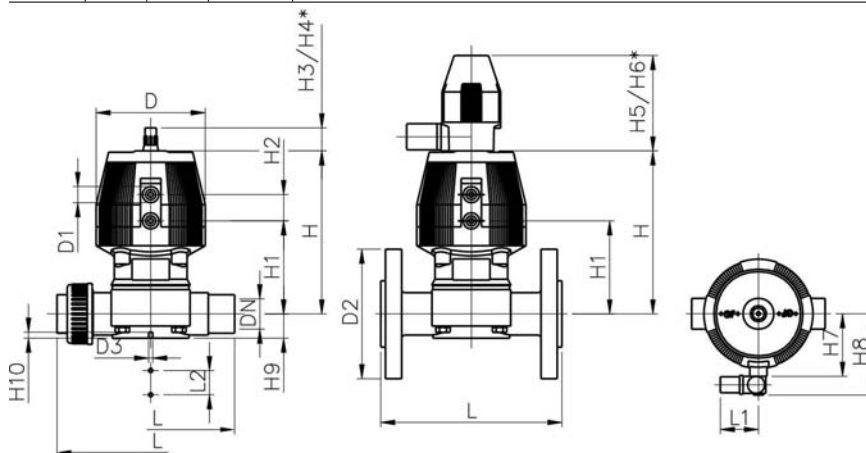
E

- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg
20	15	10	72	199 025 977	0.454
25	20	10	120	199 025 978	0.740
32	25	10	238	199 025 979	1.160
40	32	10	341	199 025 980	1.390
50	40	10	460	199 025 981	2.510
63	50	10	685	199 025 982	5.430

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	124	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	144	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	154	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	174	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	194	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	224	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function FO (Fail safe to open)

Unions with fusion spigots metric

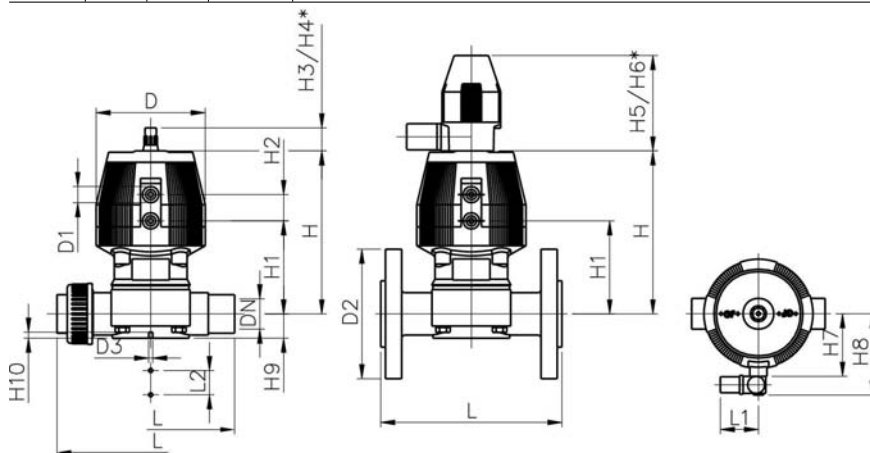
E

- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg
20	15	10	72	199 027 411	0.839
25	20	10	120	199 027 412	0.936
32	25	10	238	199 027 413	1.705
40	32	10	341	199 027 414	2.370
50	40	10	460	199 027 415	2.510
63	50	10	685	199 027 416	5.430

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	225	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	242	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	254	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	308	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	330	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	373	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function FO (Fail safe to open)

With backing flanges PP-V metric

E

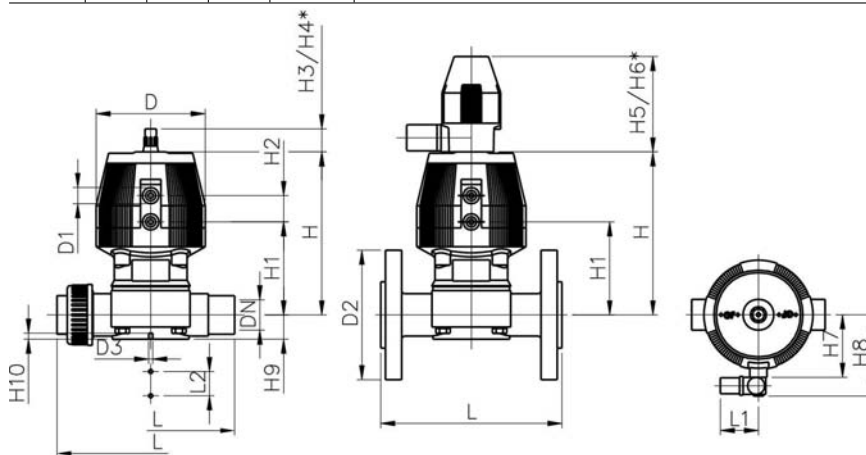
Model:

- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504
- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg	
20	15	½	10	72	199 025 451	0.824	
25	20	¾	10	120	199 025 452	1.090	
32	25	1	10	238	199 025 453	1.610	
40	32	1 ¼	10	341	199 025 454	1.950	
50	40	1 ½	10	460	199 025 455	3.010	
63	50	2	10	685	199 025 456	5.510	

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]
20	68	⅝	6	95	130	60	25	98	59	24	23	44	100	155	44
25	96	⅝	6	105	150	60	25	127	71	25	23	44	100	155	56
32	96	⅝	6	115	160	60	25	141	85	25	23	44	100	155	56
40	120	⅝	8	140	180	60	45	167	97	26	36	64	100	160	68
50	150	⅝	8	150	200	60	45	198	108	36	36	64	100	170	85
63	150	⅝	8	165	230	60	45	216	126	36	36	64	100	170	85

d [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
20	76	14	12	8	
25	88	18	12	10	
32	88	21	12	12	
40	100	26	15	14	
50	117	33	15	18	
63	117	39	15	22	



PF 3 39 212



SYGEF® PLUS Diaphragm valve type DIASTAR 025 Function FO (Fail safe to open) With fixed flanges PVDF metric

E

Model:

- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504
- With position indicator / Working pressure: on one side

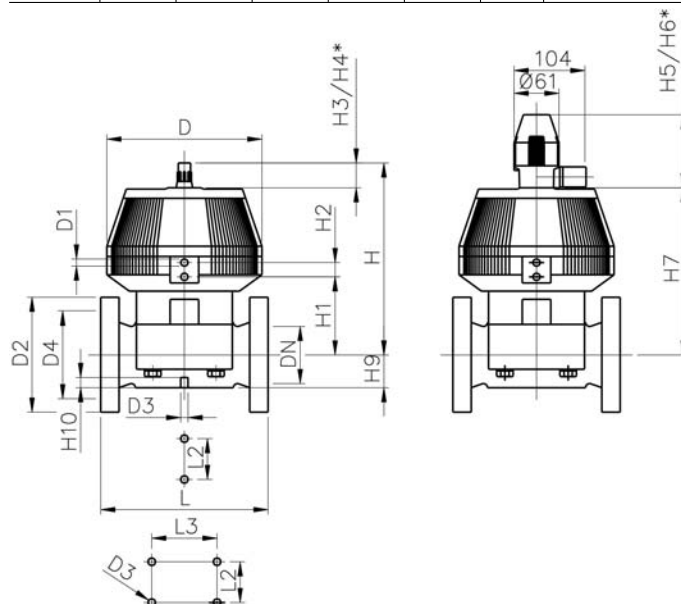
* With backing flanges PP-V

** Connecting dimensions DN80 and DN150 metric and Inch ANSI B16.5

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg							
*75	65	2 ½	10	992	199 025 457	13.600							
**90	80	3	10	1700	199 025 458	17.400							
110	100	4	8	2700	199 025 459	24.700							
**160	150	6	6	6033	199 025 460	35.000							

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	D2 [mm]	D4 [mm]	L [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]
*75	280	¼	8	185	145	290	70		344	148	24	46
**90	280	¼	12	200	160	310	120		348	150	24	46
110	335	¼	12	225	180	350	120		395	176	24	46
**160	335	¼	12	285	240	480	100	200	455	237	24	46

d [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H9 [mm]	H10 [mm]
*75	100	129	195	298	46	15
**90	100	129	195	302	57	15
110	100	129	195	349	69	20
**160	100	129	195	409	108	20



PF 3 39 212



SYGEF® PLUS Diaphragm valve type DIASTAR 025 Function FO (Fail safe to open) With backing flanges PP-V ANSI

E

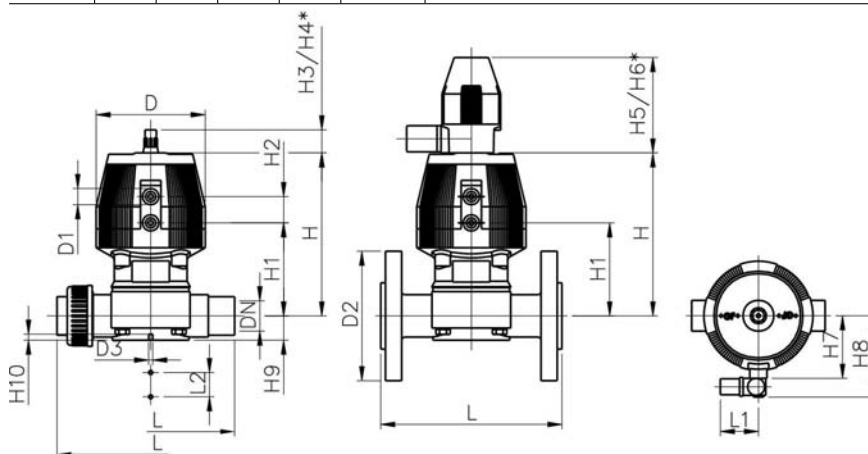
Model:

- Overall length according to EN 558-1
- Connecting dimension: ANSI B 16.5 class 150 (ASTM D 4024), BS EN 1759
- With position indicator / Working pressure: both sides

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code											
1/2	15	10	72	199 027 591											
3/4	20	10	120	199 027 592											
1	25	10	238	199 027 593											
1 1/4	32	10	341	199 027 594											
1 1/2	40	10	460	199 027 595											
2	50	10	685	199 027 596											

Inch	D [mm]	D1_G [inch]	D3[M] [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	
1/2	68	1/8	6	95	130	60	25	98	59	24	23	44	100	155	
3/4	96	1/8	6	105	150	60	25	127	71	25	23	44	100	155	
1	96	1/8	6	115	160	60	25	141	85	25	23	44	100	155	
1 1/4	120	1/8	8	140	180	60	45	167	97	26	36	64	100	160	
1 1/2	150	1/4	8	150	200	60	45	198	108	36	36	64	100	170	
2	150	1/4	8	165	230	60	45	216	126	36	36	64	100	170	

Inch	H7 [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
1/2	44	76	14	12	8	
3/4	56	88	18	12	10	
1	56	88	21	12	12	
1 1/4	68	100	26	15	14	
1 1/2	85	117	33	15	18	
2	85	117	39	15	22	



PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function FO (Fail safe to open)

With fixed flanges PVDF ANSI

E

Model:

- Overall length according to EN 558-1
- Connecting dimension: ANSI B 16.5 class 150 (ASTM D 4024), BS EN 1759
- With position indicator / Working pressure: on one side

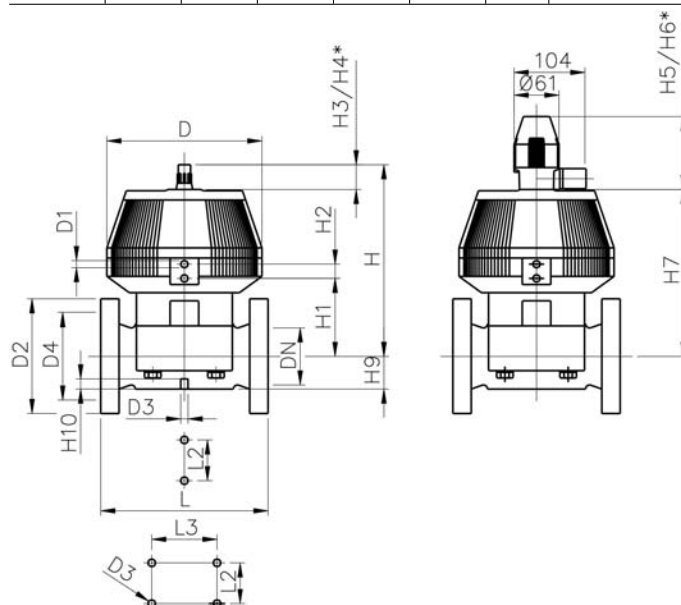
* With backing flanges PP-V

** Connecting dimensions DN80 and DN150 metric and Inch ANSI B16.5

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg							
*2 1/2	65	10	992	199 025 397	12.200							
**3	80	10	1700	199 025 458	17.400							
4	100	8	2700	199 025 399	23.400							
**6	150	6	6033	199 025 460	35.000							

Inch	D [mm]	D1_G [inch]	D3[M] [mm]	D2 [mm]	D4 [mm]	L [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]
*2 1/2	280	1/4	8	185	145	290	70		344	148	24	46
**3	280	1/4	12	200	160	310	120		348	150	24	46
4	335	1/4	12	225	180	350	120		395	176	24	46
**6	335	1/4	12	285	240	480	100	200	455	237	24	46

Inch	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H9 [mm]	H10 [mm]
*2 1/2	100	129	195	298	46	15
**3	100	129	195	302	57	15
4	100	129	195	349	69	20
**6	100	129	195	409	108	20



PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function FO (Fail safe to open)

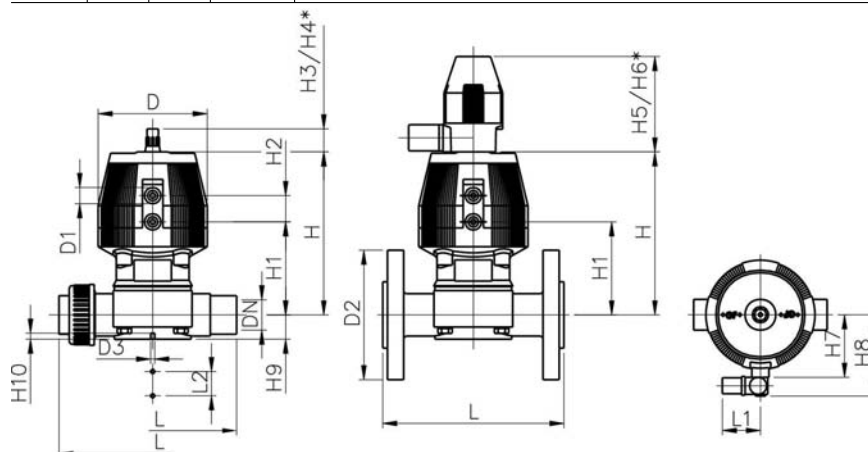
With butt fusion spigots IR metric HTR

- With position indicator / Working pressure: both sides for correct clamping and fusion jointing of flange adapters

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg
20	15	10	72	199 027 741	0.839
25	20	10	120	199 027 742	0.839
32	25	10	238	199 027 743	1.160
40	32	10	341	199 027 744	1.390
50	40	10	460	199 027 745	2.510
63	50	10	685	199 027 746	5.430

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	124	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	144	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	154	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	174	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	194	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	224	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



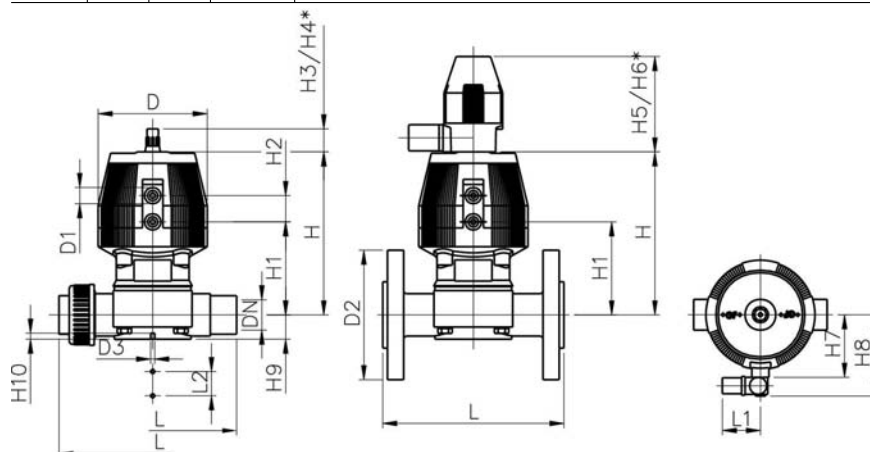
SYGEF® PLUS Diaphragm valve type DIASTAR 025 Function FO (Fail safe to open) Unions with fusion spigots metric HTR

- With position indicator / Working pressure: both sides for correct clamping and fusion jointing of flange adapters

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg	
20	15	10	72	199 027 781	0.936	
25	20	10	120	199 027 782		
32	25	10	238	199 027 783		
40	32	10	341	199 027 784		
50	40	10	460	199 027 785		
63	50	10	685	199 027 786		

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	225	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	242	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	254	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	308	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	330	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	373	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
20	14	12	8	
25	18	12	10	
32	21	12	12	
40	26	15	14	
50	33	15	18	
63	39	15	22	



PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function DA (Double acting)

With butt fusion spigots IR metric

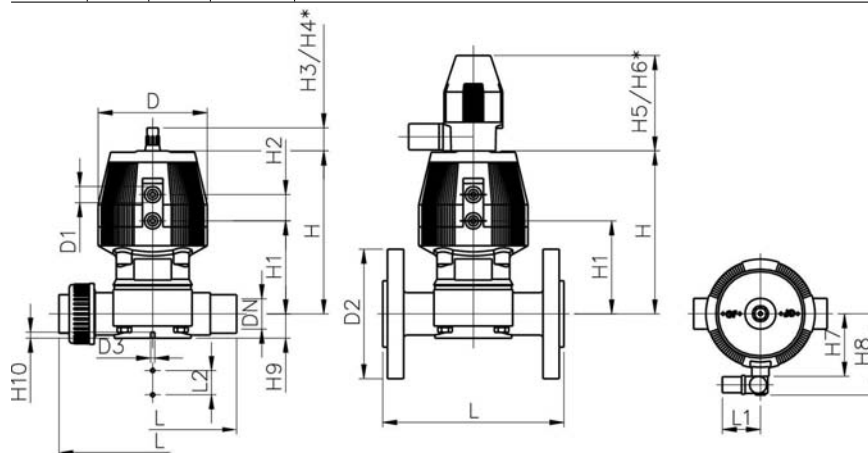
E

- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg
20	15	10	72	199 025 983	0.454
25	20	10	120	199 025 984	0.740
32	25	10	238	199 025 985	1.160
40	32	10	341	199 025 986	1.390
50	40	10	460	199 025 987	2.510
63	50	10	685	199 025 988	5.430

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	124	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	144	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	154	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	174	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	194	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	224	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function DA (Double acting)

Unions with fusion spigots metric

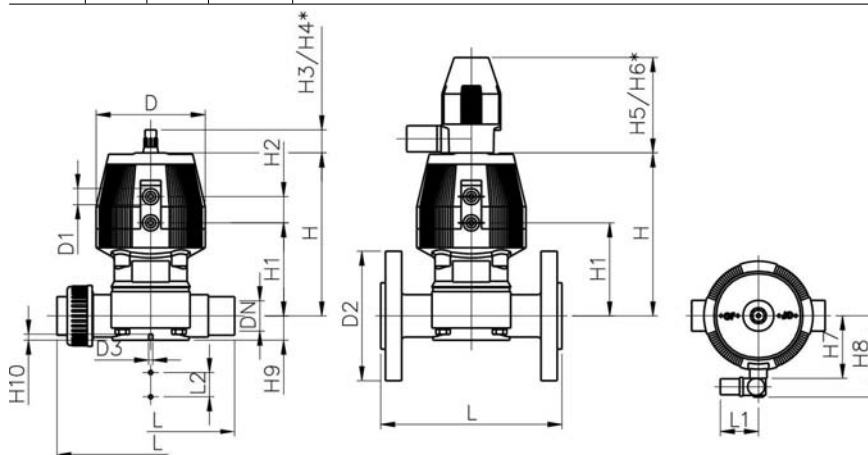
E

- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg	
20	15	10	72	199 027 421	0.740	
25	20	10	120	199 027 422		
32	25	10	238	199 027 423		
40	32	10	341	199 027 424	4.165	
50	40	10	460	199 027 425		
63	50	10	685	199 027 426		

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	225	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	242	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	254	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	308	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	330	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	373	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
20	14	12	8	
25	18	12	10	
32	21	12	12	
40	26	15	14	
50	33	15	18	
63	39	15	22	



PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function DA (Double acting)

With backing flanges PP-V metric

E

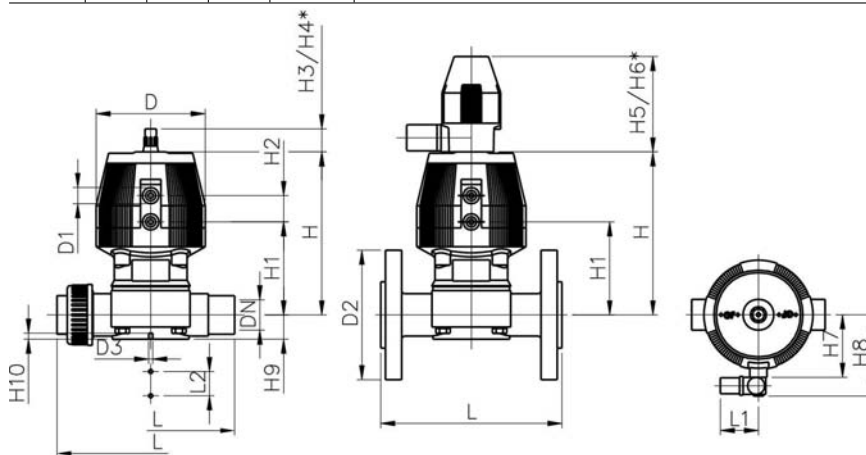
Model:

- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504
- With position indicator / Working pressure: both sides

d [mm]	DN [mm]	Inch	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code	kg	
20	15	½	10	72	199 025 461	0.824	
25	20	¾	10	120	199 025 462	1.090	
32	25	1	10	238	199 025 463	1.610	
40	32	1 ¼	10	341	199 025 464	1.950	
50	40	1 ½	10	460	199 025 465	3.010	
63	50	2	10	685	199 025 466	5.510	

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]
20	68	⅝	6	95	130	60	25	98	59	24	23	44	100	155	44
25	96	⅝	6	105	150	60	25	127	71	25	23	44	100	155	56
32	96	⅝	6	115	160	60	25	141	85	25	23	44	100	155	56
40	120	⅝	8	140	180	60	45	167	97	26	36	64	100	160	68
50	150	⅝	8	150	200	60	45	198	108	36	36	64	100	170	85
63	150	⅝	8	165	230	60	45	216	126	36	36	64	100	170	85

d [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]	
20	76	14	12	8	
25	88	18	12	10	
32	88	21	12	12	
40	100	26	15	14	
50	117	33	15	18	
63	117	39	15	22	



PF 3 39 212



SYGEF® PLUS Diaphragm valve type DIASTAR 025 Function DA (Double acting) With fixed flanges PVDF metric

E

Model:

- Connecting dimensions: ISO 7005 / EN 1092 / DIN 2501 PN10 / BS4504
- With position indicator / Working pressure: on one side

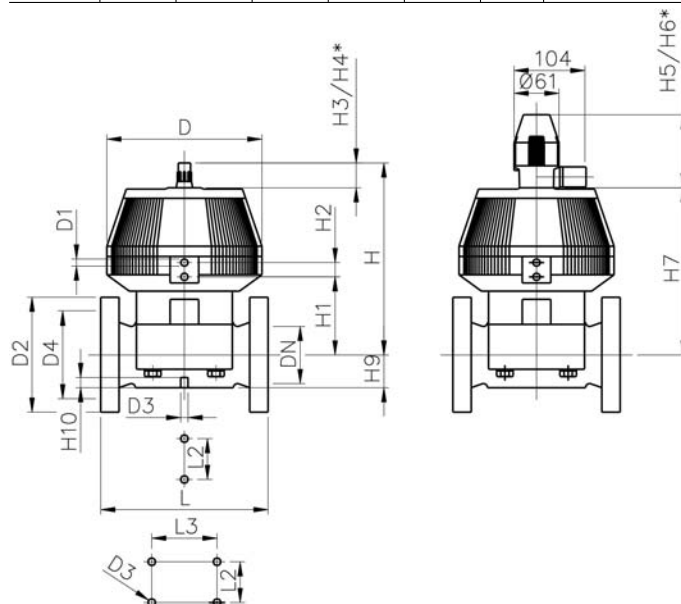
* With backing flanges PP-V

** Connecting dimensions DN80 and DN150 metric and Inch ANSI B16.5

d [mm]	DN [mm]	Inch	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg							
*75	65	2 ½	10	992	199 025 467	13.600							
**90	80	3	10	1700	199 025 468	17.400							
110	100	4	8	2700	199 025 469	24.700							
**160	150	6	6	6033	199 025 470	35.000							

d [mm]	D [mm]	D1_G [inch]	D2 [mm]	D3[M] [mm]	D4 [mm]	L [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]
*75	280	¼	185	8	145	290	70		344	148	24	46
**90	280	¼	200	12	160	310	120		348	150	24	46
110	335	¼	225	12	180	350	120		395	176	24	46
**160	335	¼	285	12	240	480	100	200	455	237	24	46

d [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H9 [mm]	H10 [mm]
*75	100	125	195	298	46	15
**90	100	129	195	302	57	15
110	100	129	195	349	69	20
**160	100	129	195	409	108	20



PF 3 39 212



SYGEF® PLUS Diaphragm valve type DIASTAR 025 Function DA (Double acting) With backing flanges PP-V ANSI

E

Model:

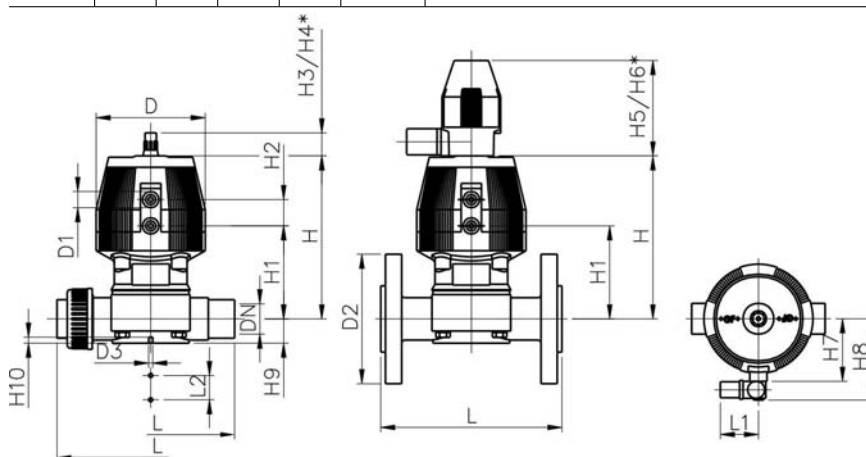
- Overall length according to EN 558-1
- Connecting dimension: ANSI B 16.5 class 150 (ASTM D 4024), BS EN 1759

- With position indicator / Working pressure: both sides

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
1/2	15	10	72	199 027 601
3/4	20	10	120	199 027 602
1	25	10	238	199 027 603
1 1/4	32	10	341	199 027 604
1 1/2	40	10	460	199 027 605
2	50	10	685	199 027 606

Inch	D [mm]	D1_G [inch]	D3[M] [mm]	D2 [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]
1/2	68	1/8	6	95	130	60	25	98	59	24	23	44	100	155
3/4	96	1/8	6	105	150	60	25	127	71	25	23	44	100	155
1	96	1/8	6	115	160	60	25	141	85	25	23	44	100	155
1 1/4	120	1/8	8	140	180	60	45	167	97	26	36	64	100	160
1 1/2	150	1/4	8	150	200	60	45	198	108	36	36	64	100	170
2	150	1/4	8	165	230	60	45	216	126	36	36	64	100	170

Inch	H7 [mm]	H8 [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
1/2	44	76	14	12	8
3/4	56	88	18	12	10
1	56	88	21	12	12
1 1/4	68	100	26	15	14
1 1/2	85	117	33	15	18
2	85	117	39	15	22



PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function DA (Double acting)

With fixed flanges PVDF ANSI

E

Model:

- Overall length according to EN 558-1
- Connecting dimension: ANSI B 16.5 class 150 (ASTM D 4024), BS EN 1759
- With position indicator / Working pressure: on one side

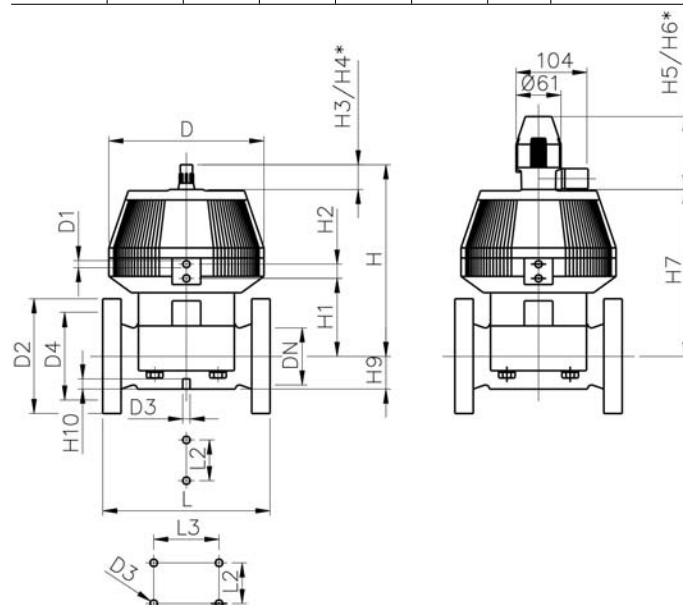
* With backing flanges PP-V

** Connecting dimensions DN80 and DN150 metric and Inch ANSI B16.5

Inch	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg							
*2 1/2	65	10	992	199 025 407	13.600							
**3	80	10	1700	199 025 468	17.400							
4	100	8	2700	199 025 409	24.100							
**6	150	6	6033	199 025 470	35.000							

Inch	D [mm]	D1_G [inch]	D2 [mm]	D3[M] [mm]	D4 [mm]	L [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]
*2 1/2	280	1/4	185	8	145	290	70		344	148	24	46
**3	280	1/4	200	12	160	310	120		348	150	24	46
4	335	1/4	225	12	180	350	120		395	176	24	46
**6	335	1/4	285	12	240	480	100	200	455	237	24	46

Inch	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H9 [mm]	H10 [mm]
*2 1/2	100	125	195	298	46	15
**3	100	129	195	302	57	15
4	100	129	195	349	69	20
**6	100	129	195	409	108	20



PF 3 39 212



SYGEF® PLUS

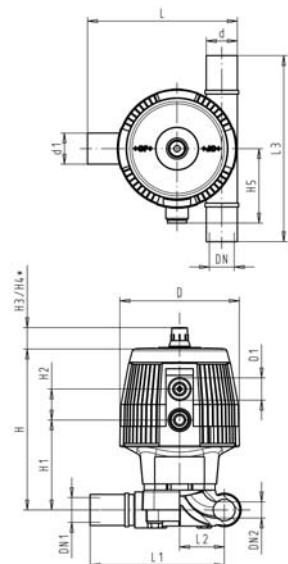
Diaphragm valve type DIASTAR 025

Function DA (Double acting)

ZERO STATIC with butt fusion spigots metric

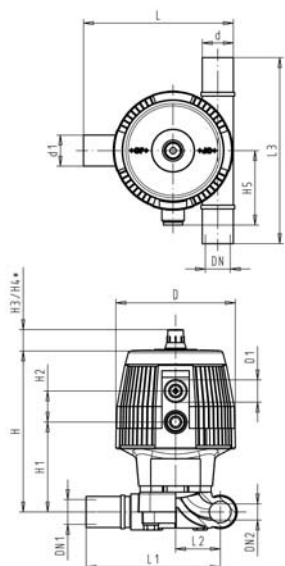
E

- DN2: for coordination of accessoires



d [mm]	d1 [mm]	DN [mm]	DN1 [mm]	DN2 [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code	kg	
20	20	15	15	15	10	47	199 028 067		
25	20	20	15	20	10	69	199 028 068		
25	25	20	20	20	10	91	199 028 069		
32	20	25	15	25	10	86	199 028 070		
32	25	25	20	25	10	126	199 028 077		
32	32	25	25	25	10	156	199 028 078	4.900	
40	20	32	15	25	10	84	199 028 079		
40	25	32	20	25	10	124	199 028 177		
40	32	32	25	25	10	161	199 028 178	0.900	
40	40	32	32	32	10	250	199 028 179		
50	20	40	15	25	10	82	199 028 080		
50	25	40	20	25	10	124	199 028 087		
50	32	40	25	25	10	159	199 028 088	3.350	
50	40	40	32	40	10	312	199 028 157		
50	50	40	40	40	10	356	199 028 158		
63	20	50	15	25	10	81	199 028 089	4.900	
63	25	50	20	25	10	115	199 028 090		
63	32	50	25	25	10	156	199 028 097	4.900	
63	40	50	32	50	10	383	199 028 138		
63	50	50	40	50	10	487	199 028 137		
63	63	50	50	50	10	544	199 028 139		
75	40	65	32	32	10	256	199 028 098		
75	50	65	40	50	10	497	199 028 159		
75	63	65	50	50	10	546	199 028 160		
90	20	80	15	25	10	88	199 028 099		
90	25	80	20	25	10	133	199 028 100		
90	32	80	25	25	10	162	199 028 107		
90	50	80	40	50	10	504	199 028 108		
90	63	80	50	50	10	530	199 028 109		
110	20	100	15	25	10	89	199 028 110		
110	25	100	20	25	10	123	199 028 117		
110	32	100	25	25	10	159	199 028 118		
110	50	100	40	50	10	503	199 028 119		
110	63	100	50	50	10	543	199 028 120		

d [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	D [mm]	D1 [inch]	Lift = Hx [mm]
20	106	96	30	140	99	59	24	23	44	44	68	1/8	8
25	121	108	36	150	130	71	25	23	44	56	96	1/8	10
25	121	108	36	150	130	71	25	23	44	56	96	1/8	10
32	137	120	43	160	143	85	25	23	44	56	96	1/8	12
32	137	120	43	160	143	85	25	23	44	56	96	1/8	12
32	137	120	43	160	143	85	25	23	44	56	96	1/8	12
40	149	128	51	180	143	85	25	23	44	56	96	1/8	12
40	149	128	51	180	143	85	25	23	44	56	96	1/8	12
40	149	128	51	180	143	85	25	23	44	56	96	1/8	12
40	174	153	56	190	170	97	26	36	64	68	120	1/8	14
50	159	134	57	180	143	85	25	23	44	56	96	1/8	12
50	159	134	57	180	143	85	25	23	44	56	96	1/8	12
50	159	134	57	180	143	85	25	23	44	56	96	1/8	12
50	195	169	66	200	203	108	36	36	64	85	150	1/4	18
50	195	169	66	200	203	108	36	36	64	85	150	1/4	18
63	175	144	67	180	143	85	25	23	44	56	96	1/8	12
63	175	144	67	180	143	85	25	23	44	56	96	1/8	12
63	175	144	67	180	143	85	25	23	44	56	96	1/8	12
63	223	192	80	220	220	126	36	36	64	85	150	1/4	22
63	225	192	80	220	220	126	36	36	64	85	150	1/4	22



d [mm]	L [mm]	L1 [mm]	L2 [mm]	L3 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	D [mm]	D1 [inch]	Lift = Hx [mm]	
63	223	192	80	220	220	126	36	36	64	85	150	1/4	22	
75	203	166	78	190	170	97	26	36	64	68	120	1/8	14	
75	236	198	86	220	220	126	36	36	64	85	150	1/4	22	
75	236	198	86	220	220	126	36	36	64	85	150	1/4	22	
90	204	159	82	160	143	85	25	23	44	56	96	1/8	12	
90	204	159	82	160	143	85	25	23	44	56	96	1/8	12	
90	204	159	82	160	143	85	25	23	44	56	96	1/8	12	
90	252	207	95	220	220	126	36	36	64	85	150	1/4	22	
90	252	207	95	220	220	126	36	36	64	85	150	1/4	22	
110	226	171	94	160	143	85	25	23	44	56	96	1/8	12	
110	226	171	94	160	143	85	25	23	44	56	96	1/8	12	
110	226	171	94	160	143	85	25	23	44	56	96	1/8	12	
110	274	219	107	220	220	126	36	36	64	85	150	1/4	22	
110	274	219	107	220	220	126	36	36	64	85	150	1/4	22	

PF 3 39 212



SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function DA (Double acting)

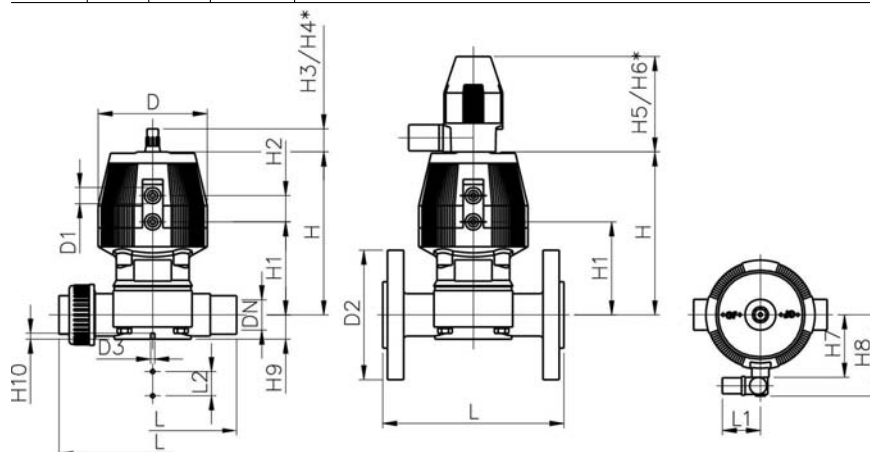
With butt fusion spigots IR metric HTR

- With position indicator / Working pressure: both sides for correct clamping and fusion jointing of flange adapters

d [mm]	DN [mm]	PN	kv-value ($\Delta p=1$ bar) [l/min]	PTFE/EPDM Code
20	15	10	72	199 027 751
25	20	10	120	199 027 752
32	25	10	238	199 027 753
40	32	10	341	199 027 754
50	40	10	460	199 027 755
63	50	10	685	199 027 756

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	124	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	144	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	154	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	174	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	194	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	224	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22





SYGEF® PLUS

Diaphragm valve type DIASTAR 025

Function DA (Double acting)

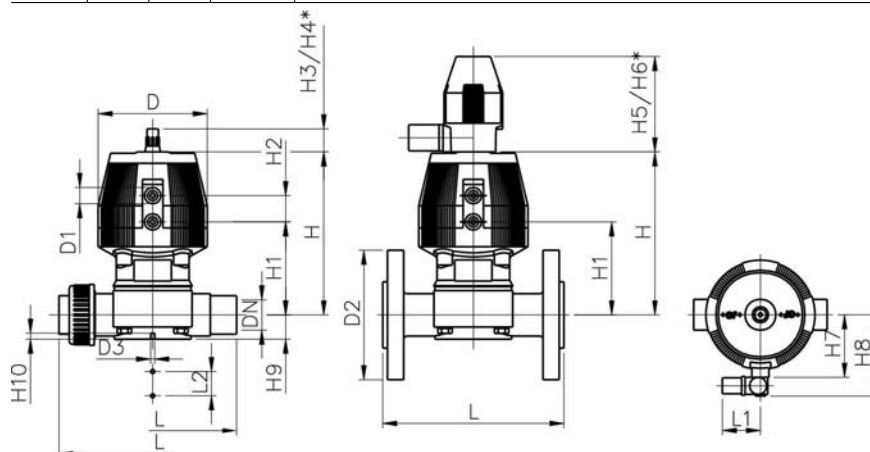
Unions with fusion spigots metric HTR

- With position indicator / Working pressure: both sides for correct clamping and fusion jointing of flange adapters

d [mm]	DN [mm]	PN	kv-value (Δp=1 bar) [l/min]	PTFE/EPDM Code
20	15	10	72	199 027 791
25	20	10	120	199 027 792
32	25	10	238	199 027 793
40	32	10	341	199 027 794
50	40	10	460	199 027 795
63	50	10	685	199 027 796

d [mm]	D [mm]	D1_G [inch]	D3[M] [mm]	L [mm]	L1 [mm]	L2 [mm]	H [mm]	H1 [mm]	H2 [mm]	H3 [mm]	H4 [mm]	H5 [mm]	H6 [mm]	H7 [mm]	H8 [mm]
20	68	1/8	6	225	60	25	98	59	24	23	44	100	155	44	76
25	96	1/8	6	242	60	25	127	71	25	23	44	100	155	56	88
32	96	1/8	6	254	60	25	141	85	25	23	44	100	155	56	88
40	120	1/8	8	308	60	45	167	97	26	36	64	100	160	68	100
50	150	1/4	8	330	60	45	198	108	36	36	64	100	170	85	117
63	150	1/4	8	373	60	45	216	126	36	36	64	100	170	85	117

d [mm]	H9 [mm]	H10 [mm]	Lift = Hx [mm]
20	14	12	8
25	18	12	10
32	21	12	12
40	26	15	14
50	33	15	18
63	39	15	22



SYGEF® Plus

Butterfly Valve Type 365 Lug-Style - Bareshaft



Model:

- Metal lugged body with epoxy-coating
- PFA coated disc with PTFE liner
- HP produced & double-bagged
- Bareshaft to ISO5211
- Lugged body to ANSI B16.5 #150 or ISO/EN 1092 PN16

d (mm)	DN (mm)	Inch	PN	Kv value L/min (ΔP=1BAR)	Lugged ANSI B16.5 #150 Code	Lugged ISO/EN 1092 Code	KG	Torque Nm	ISO5211 (square shaft)
63	50	2	16	3199	160 365 423	160 365 551	4.7	30	F07/11mm
75	65	2½	16	3199	160 365 424	160 365 552	6	30	F07/11mm
90	80	3	16	6497	160 365 425	160 365 553	6.5	40	F07/11mm
110	100	4	16	9696	160 365 426	160 365 554	8.5	50	F07/14mm
140	125	5	16	16808	160 365 427	160 365 555	10.6	60	F07/14mm
160	150	6	16	24762	160 365 428	160 365 556	13.9	110	F07/17mm
225	200	8	10	50523	160 365 429	160 365 557	17.9	180	F10/17mm
280	250	10	10	74713	160 365 430	160 365 558	27.2	250	F10/22mm
315	300	12	10	119438	160 365 431	160 365 559	35.9	350	F10/22mm

Pneumatic Actuator for Type 365



Model:

- Hard-anodized aluminium body
- NAMUR connection for mounting accessories

d	DN	Inch	FC/FO Code	DA Code	Type
63-75	50-65	2-2½	198 800 037	198 800 758	PA 35
90	80	3	198 800 728	198 800 759	PA 40
110	100	4	198 800 039	198 800 040	PA 45
140	125	5	198 800 729	198 800 733	PA 50
160	150	6	198 800 041	198 800 042	PA 55
225	200	8	198 800 730	198 800 734	PA 60
280	250	10	198 800 043	198 800 044	PA 65
315	300	12	198 800 731	198 800 735	PA 70

Assembly kit for Type 365 with Pneumatic Actuator Without Manual Override



Model:

- Includes all necessary parts to mount actuator to bareshaft valve

d	DN	Inch	FC/FO Code	DA Code	
63-75	50-65	2-2½	198 000 383	198 000 383	
90	80	3	198 000 385	198 000 384	
110	100	4	198 000 386	198 000 386	
140	125	5	198 000 386	198 000 386	
160	150	6	198 000 389	198 000 389	
225	200	8	198 000 389	198 000 389	
280	250	10	on request	198 000 392	
315	300	12	on request	198 000 393	

- Order bareshaft valve, actuator and assembly kit as separate items
- Electric Actuation available on request

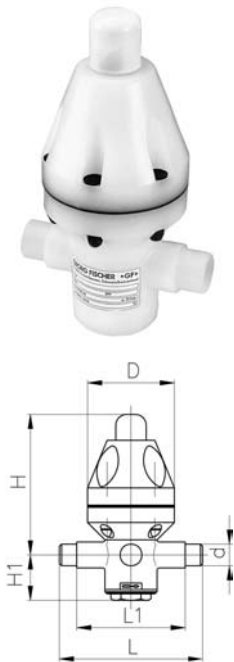
Process control valves

SYGEF® PLUS

Pressure reducing valve type V 782

With fusion spigots BCF

E



PF 3 58 458

d [mm]	DN [mm]	Pressure range [bar]	PTFE Code	kg	D [mm]	L [mm]	L1 [mm]	H [mm]	H1 [mm]	
20	15	0.5 - 10	199 041 192	1.300	83	182	102	195	48	
25	20	0.5 - 10	199 041 193	1.300	112	190	110	210	65	
32	25	0.5 - 10	199 041 194	1.300	112	190	110	210	65	
40	32	0.5 - 10	199 041 195	4.840	165	262	162	260	95	
50	40	0.5 - 10	199 041 196	4.840	165	262	162	260	95	

SYGEF® PLUS

Pressure reducing valve type V 82

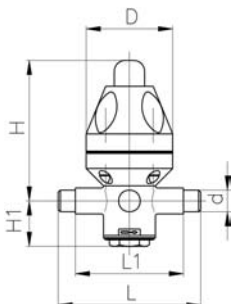
With fusion spigots BCF

E



PF 3 58 458

d [mm]	DN [mm]	Pressure range [bar]	PTFE Code	kg	D [mm]	L [mm]	H [mm]	H1 [mm]	
20	15	0.5 - 10	199 041 184	0.790	70	150	130	100	
25	20	0.5 - 10	199 041 185	1.619	100	190	180	134	
32	25	0.5 - 10	199 041 186	1.620	100	190	180	134	
40	32	0.5 - 10	199 041 187	5.320	130	240	230	175	
50	40	0.5 - 10	199 041 188	5.320	130	240	230	175	
63	50	0.5 - 10	199 041 189	9.330	150	260	285	210	



PF 3 58 458

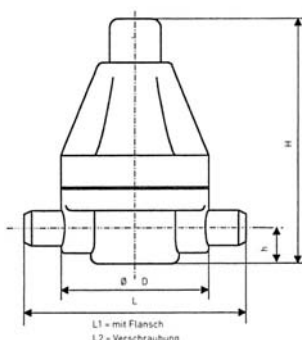
SYGEF® PLUS

Pressure retaining valve type V 786

With fusion spigots BCF

E

d [mm]	DN [mm]	Pressure range [bar]	PTFE Code	kg	D [mm]	L [mm]	L1 [mm]	H [mm]	H1 [mm]	
20	15	0.5 - 10	199 041 198	0.620	83	172	102	145	38	
25	20	0.5 - 10	199 041 199	1.700	112	190	110	210	55	
32	25	0.5 - 10	199 041 200	1.700	112	190	110	210	55	
40	32	0.5 - 4	199 041 201	4.840	165	262	162	260	85	
50	40	0.5 - 4	199 041 202	4.840	165	262	162	260	85	



PF 3 58 458

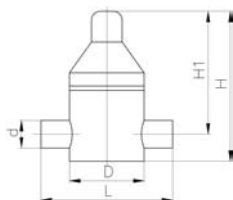
SYGEF® PLUS

Pressure retaining valve type V 186

With butt fusion spigots BCF IR

E

d [mm]	DN [mm]	Pressure range [bar]	PTFE Code	kg	D [mm]	L [mm]	H [mm]	H1 [mm]	
20	15	0.5 - 10	199 041 395	0.600	83	158	137	20	
25	20	0.5 - 10	199 041 396	0.600	83	158	137	20	
32	25	0.5 - 10	199 041 397	1.600	112	198	199	27	
40	32	0.5 - 10	199 041 398	1.600	112	202	199	43	
50	40	0.5 - 10	199 041 399	8.000	165	256	290	43	
63	50	0.5 - 10	199 041 400	8.200	165	256	290	43	

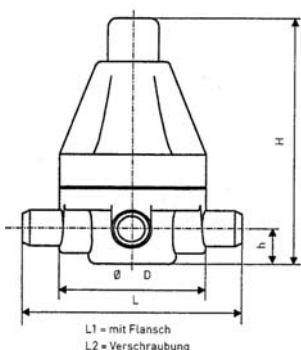


PF 3 58 458

SYGEF® standard Pressure retaining valve type V 86 With fusion spigots metric

E

d [mm]	DN [mm]	Pressure range [bar]	PTFE Code	kg	D [mm]	L [mm]	H [mm]	H1 [mm]	
75	65	1.0 - 6	199 041 892	7.730	180	284	275	230	

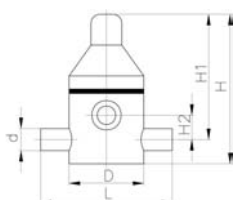


PF 3 58 458

SYGEF® PLUS Pressure relief valve type V 185 With butt fusion spigots metric IR

E

d [mm]	DN [mm]	Pressure range [bar]	PTFE Code	kg	D [mm]	L [mm]	H [mm]	H1 [mm]	
20	15	0.5 - 10	199 041 520	0.700	83	158	137	20	
25	20	0.5 - 10	199 041 521	0.700	83	158	137	20	
32	25	0.5 - 10	199 041 522	1.700	112	198	199	27	
40	32	0.5 - 10	199 041 523	1.700	165	202	199	43	
50	40	0.5 - 10	199 041 524	8.100	165	256	290	43	
63	50	0.5 - 10	199 041 525	8.300	165	256	290	43	



PF 3 58 458

SYGEF® standard Pressure relief valve type V 85 With fusion spigots metric

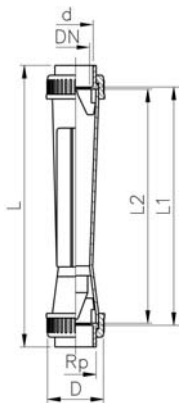
d [mm]	DN [mm]	Pressure range [bar]	PTFE Code	kg	D [mm]	L [mm]	H [mm]	H1 [mm]	H2 [mm]	
75	65	1.0 - 6	199 041 898	13.000	180	284	295	250	70	

Variable area flow meters

Special version PVDF-HP

Float in PTFE

With fusion spigot BCF



PF 3 48 227

Type	d [mm]	DN [mm]	Scale range [l/h]	Scale range [gal/min]	Taper tube in Polysulfone O-rings in FPM Code	kg	
SK 73	32	25	136 - 795	0.6-3.5	198 801 202	0.300	
SK 20	50	40	568 - 2273	2.5-10.0	198 801 203	1.150	
SK 21	50	40	909 - 4091	4.0-18.0	198 801 204	1.150	
SK 30	63	50	1000 - 8142	4.4-36.0	198 801 205	1.500	
SK 31	63	50	1000 - 9091	4.4-40.0	198 801 206	1.500	
SK 40	75	65	1848 - 11364	8.0-50.0	198 801 207	2.500	
SK 41	75	65	2273 - 16364	10.0-72.0	198 801 208	2.500	

Type	D [mm]	L [mm]	L1 [mm]	L2 [mm]	Rp [inch]	
SK 73	60	338		200	1	
SK 20	83	511		335	1 ½	
SK 21	83	511		335	1 ½	
SK 30	103	524		335	2	
SK 31	103	524		335	2	
SK 40	122	495		335	2 ½	
SK 41	122	495		335	2 ½	