

Technical manual

Manual actuations : PCX, PCF, PCI, Gear boxes

Handlevers and gear boxes

Summary



- **PCX** : • Hand lever - Overall dimensions **p. 2**
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• Options
- **PCF** : • Hand lever - Overall dimensions **p. 3-4**
• Assembly - Overall dimensions
• Options
- **PCI** : • Hand lever - Overall dimensions **p. 5-6**
• Assembly - Overall dimensions
• Options
- **GEAR BOXES** : • Overall dimensions **p. 7-8**
• Assembly - Overall dimensions
• Options
- **GEAR BOXES in stainless steel** :
• Overall dimensions **p. 9-10**
• Assembly - Overall dimensions
• Options

Description

PCX : 5 notched padlockable handle-
ver made out of polyamide, an
insulating and corrosion-proof
material

PCF : Cast iron notched handle :
sturdy, reliable, 10 adjustment
positions, padlocked for security,
wide range of fittings.

PCI : Stainless steel (304) handlever

Gear boxes : Aluminium and cast iron
manual gear box
- Long life lubricated
- Actuated by a wheel

Gear boxes : IP 65 manual gear box in stainless
steel

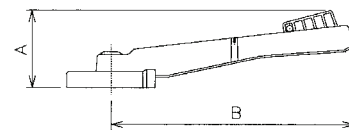
Technical manual

Manual actuation : PCX

Overall dimensions Handlever

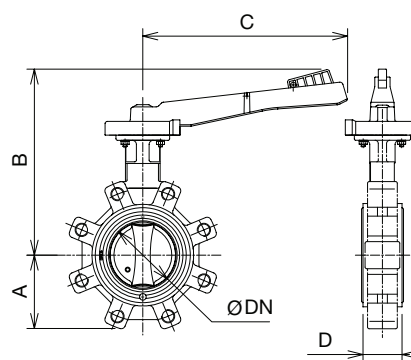
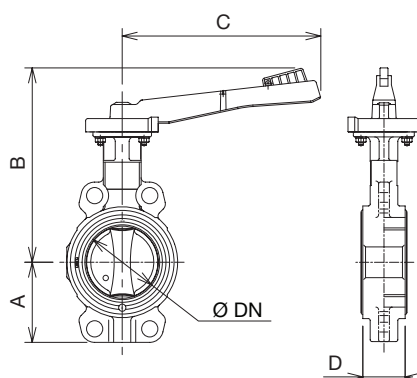
5 notched padlockable handlever made out of polyamide, an insulating and corrosion-proof material

TILIS	SYLAX	EMBASE	A	B	Ref.	Kg
DN 25 - 80	DN 25 - 100	F05/11	82	200	149H 022947	0,3
DN 100 - 150	DN 125 - 150	F07/14	85	275	149H 023440	0,5



Overall dimensions Assembly

SYLAX - TILIS				
DN	A	B	C	D
25	50	207	200	32
32	57	212	200	32
40	57	212	200	32
50	62	218	200	43
65	70	227	200	46
80	89	233	200	46
100 - Tilis	106	260	275	52
100 - Sylax	106	257	275	52
125	120	275	275	56
150	131	288	275	56



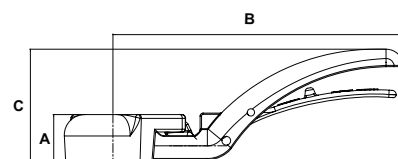
Technical manual

Manual actuation : PCF

Overall dimensions Handlever

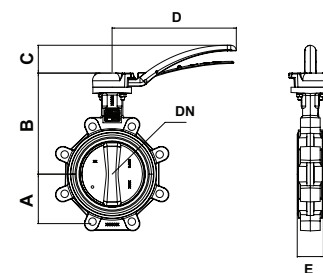
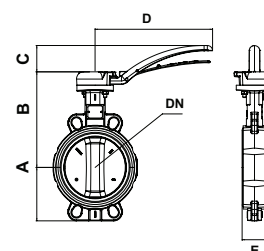
Cast iron notched handle : sturdy, reliable, 10 adjustment positions, padlocked for security, wide range of fittings.

TILIS	LYCENE	SYLAX	ISO TOP	A	B	C	Ref.	Kg
DN 40 - 80	DN 32/40-80	DN 25 - 100	F05/11	33	200	78	149H001294	0,8
DN 100-150	DN 100-125	DN 125-150	F07/14	33	290	98	149H001454	1,2
	DN 150		F07/14	42	450		149H026529	3
DN 200	DN 200	DN 200	F10/17	42	450		149H001455	3,2
DN 250		DN 250	F10/22	42	450		149H001302	3,2
DN 300		DN 300	F12/22	42	450		149H001457	3,9

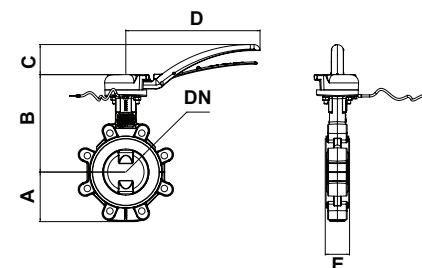
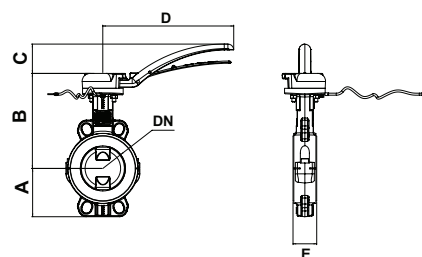


Overall dimensions Assembly

SYLAX - TILIS					
DN	A	B	C	D	E
25	50	158	45	200	32
32/40	57	163	45	200	32
50	62	169	45	200	43
65	70	178	45	200	46
80	89	184	45	200	46
100 - Tilis	106	208	65	290	52
100 - Sylax	106	208	45	200	52
125	120	223	65	290	56
150	131	236	65	290	56
200	164	293	86	450	60
250	200	318		450	68
300	235	343		450	78



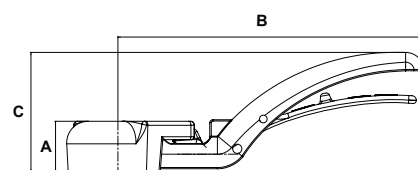
LYCENE					
DN	STAINLESS STEEL & PFA				
	A	B	C	D	E
32/40	73	163	45	200	32,5
50	69	172	45	200	43,5
65	73	178	45	200	46,5
80	89	183	45	200	46,5
100	106	210	65	290	52,5
125	120	222	65	290	56,5
150	132	249		450	56,5
200	164	292		450	60,5



Options

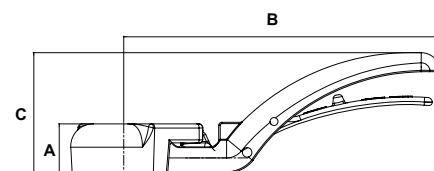
Short PCF

DN	A	B	C	Ref.	Kg
SYLAX DN 25 - 100 TILIS - LYCENE DN 40 - 80	33	165	60	149H 017 224	0,6
SYLAX DN 125 TILIS-LYCENE DN100 -125	33	200	78	149H 028 323	1,0



Yelow double notched padlockable PCF

DN	A	B	C	Ref.	Kg
SYLAX DN 25 - 100 TILIS - LYCENE DN 40 - 80	33	200	78	149H 001 468	0,8
SYLAX DN 125 - 150 TILIS-LYCENE DN100 -150	33	290	98	149H 001 469	1,2
DN 200	42	450		149H 001 470	3,2
DN 250	42	450		149H 001 471	3,2
DN 300	42	450		149H 001 472	3,9



Adjustable ductile iron handlever

DN	A	B	Ref.	Kg
SYLAX DN 25 - 100 TILIS - LYCENE DN 40 - 80	78	200	149G CM1864	0,8
SYLAX DN 125 - 150 TILIS-LYCENE DN100 -150	98	290	149G CM1865	1,2
DN 200	97	450	149H 001 497	3
DN 250	97	450	149H 001 498	2,9
DN 300	97	450	149H 001 499	3,7

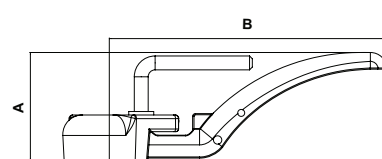
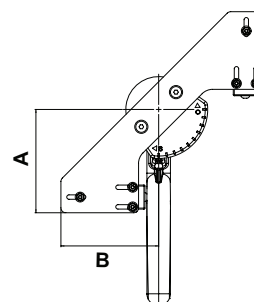


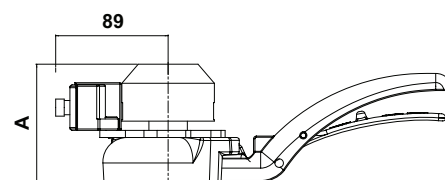
Plate with 1 (or 2) mechanical limit switch on PCF

DN	A	B	1 limit switch Ref.	Kg	1 limit switch Ref.	Kg
SYLAX DN 25 - 100 TILIS - LYCENE DN 40 - 80	106	100	149G CM1721	1,2	149G CM1742	1,3
SYLAX DN 125 - 150 TILIS-LYCENE DN100 -150	106	100	149G CM1726	2,0	149G CM1746	2,1
DN 200	105	95	149H 001 475	3,4	149H 001 480	3,5
DN 250	105	95	149H 001 476	3,4	149H 001 481	3,5
DN 300	118	95	149H 001 477	4,0	149H 001 482	4,1



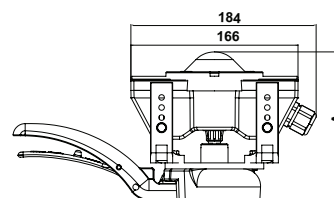
Connection for inductive limit switch

DN	A	Ref.	Kg
SYLAX DN 25 - 100 TILIS - LYCENE DN 40 - 80	85	149G CM1822	1,2
SYLAX DN 125 - 150 TILIS-LYCENE DN100 -150	85	149G CM1826	1,6
DN 200	106	149G CM1475	3,7
DN 250	106	149G CM1476	3,7
DN 300	106	149G CM1477	4,4



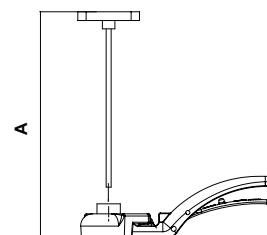
Switchbox

DN	A	Ref.	Kg
SYLAX DN 25 - 100 TILIS - LYCENE DN 40 - 80	149	149G CM1812	1,8
SYLAX DN 125 - 150 TILIS-LYCENE DN100 -150	149	149G CM1816	2,3
DN 200	160	149G CM1818	4,6
DN 250	160	149G CM1819	4,6
DN 300	160	149G CM1820	5,5



Thermometer

DN	A	Ref.	Kg
SYLAX DN 25 - 100 TILIS - LYCENE DN 40 - 80	59	149G CM1866	0,7
SYLAX DN 125 - 150 TILIS-LYCENE DN100 -150	59	149G CM1867	
DN 200	69	149H 028 507	3,3
DN 250	69	149H 028 508	3,3
DN 300	69	149G 028 509	4



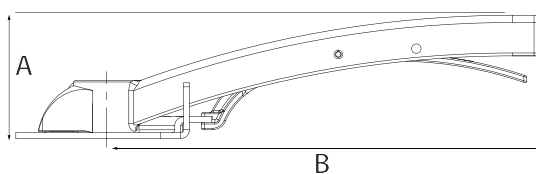
Technical manual

Manual actuation : PCI

Overall dimensions Handlever

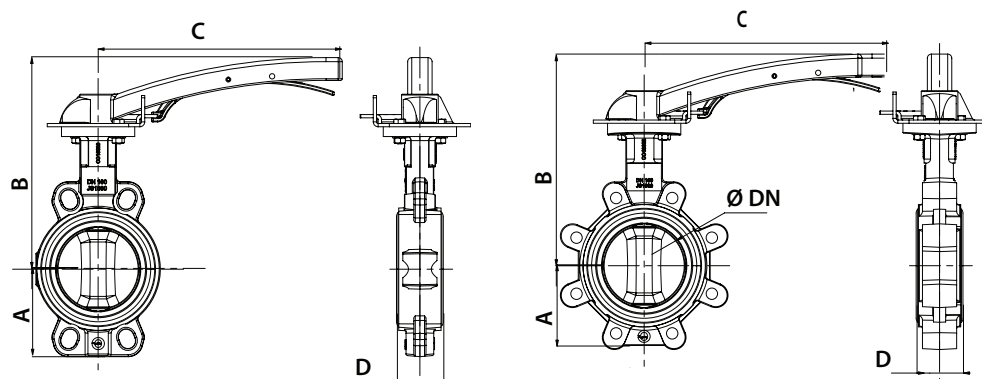
10 notched padlockable handlever in stainless steel

TILIS	LYCENE	SYLAX	EMARIS	Iso top	A	B	Ref.	Kg
DN 40 - 80	DN 32/40 - 80	DN 25 - 100		F05/11	70	200	149GCM1593	1
			DN 50 - 65	F07/11	70	200	149GCM1594	1
			DN 80 - 100	F07/14	70	200	149GCM1595	1
DN 100 - 150	DN 100 - 125	DN 125 - 150	DN 100	F07/14	85	300	149GCM1536	2,1
			DN 125 - 150	F10/17	85	300	149GCM1537	2,2
	DN 150			F07/14	80	450	149GCM1601	2,4
DN 200	DN 200	DN 200	DN 125 - 150	F10/17	80	450	149GCM1602	2,6
DN 250		DN 250		F10/22	80	450	149GCM1603	2,6
DN 300		DN 300		F12/22	80	450	149GCM1604	2,9



Overall dimensions Assembly

SYLAX - TILIS				
DN	A	B	C	D
25	52	195	200	32
32/40	57	200	200	32
50	62	206	200	43
65	70	215	200	46
80	89	221	200	46
100 - TILIS	106	260	300	52
100 - SYLAX	106	245	200	52
125	120	275	300	56
150	132	288	300	56
200	164	326	450	60
250	200	351	450	68
300	235	376	450	78

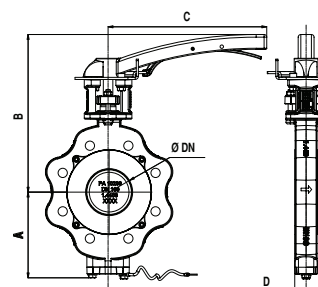
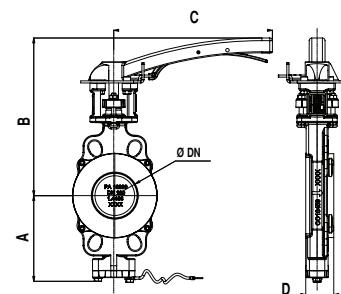


Technical manual

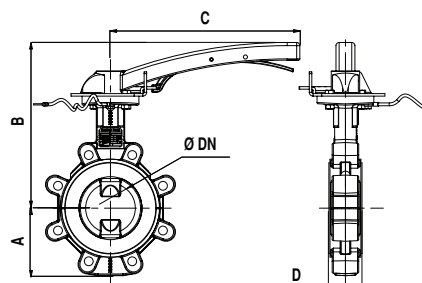
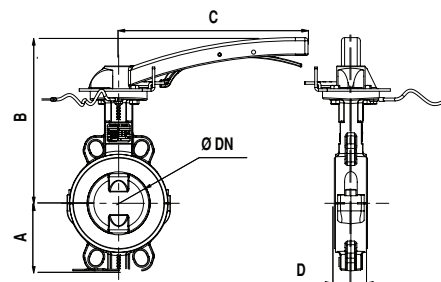
Manual actuation : PCI

Overall dimensions Assembly

EMARIS			LG 200		LG 300		LG 450	
DN	A	D	B	C	B	C	B	C
50	123	43	225	200	-	-	-	-
65	140	47	245	200	-	-	-	-
80	151	47	266	200	-	-	-	-
100	164	53	283	200	298	300	-	-
125	180	57	-	-	328	300	323	450
150	197	57	-	-	357	300	352	450

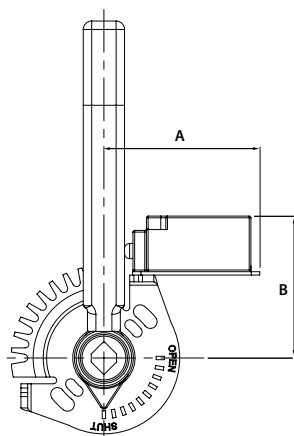


LYCENE				
DN	STAINLESS STEEL & PFA			
	A	B	C	D
32/40	73	200	200	32,5
50	69	209	200	43,5
65	73	215	200	46,5
80	89	220	200	46,5
100	106	262	300	52,5
125	120	274	300	56,5
150	132	282	450	56,5
200	164	325	450	60,5



Options

- Stainless steel notched handle lever with 1 (or 2) mechanical limit switch



LYCENE	SYLAX TILIS	EMARIS	Iso top	A	B	1 FC		2 FC	
						REF.	Kg	REF.	Kg
SEE OVERALL DIMENSIONS HANDLEVER PAGE 5				93	85	149G CM1634	1,1	149G CM1644	1,2
				93	85	149G CM1635	1,1	149G CM1645	1,2
				93	85	149G CM1636	1,1	149G CM1646	1,2
				93	93	149G CM1638	2,2	149G CM1648	2,3
				93	93	149G CM1639	2,3	149G CM1649	2,4
				93	93	149G CM1640	2,5	149G CM1650	2,6
				93	93	149G CM1641	2,7	149G CM1651	2,8
				93	93	149G CM1642	2,7	149G CM1652	2,8
				93	120	149G CM1643	3	149G CM1653	3,1

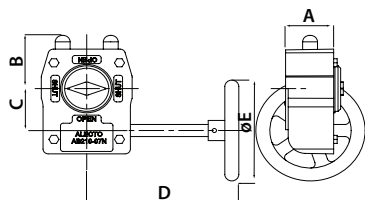
- Double notched padlockable stainless steel PCI

Technical manual

Manual actuation : Gear boxes

Overall dimensions

Gear box



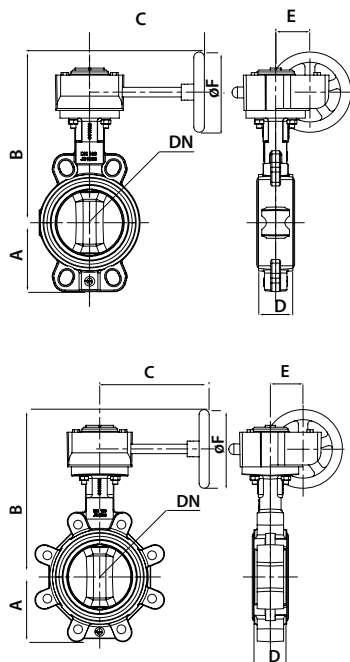
Aluminium and cast iron manual gear box, longlife lubricated, actuated by a wheel.

LYCENE	TILIS	SYLAX	ISO TOP	TYPE		A	B	C	D	E	Ref	Kg
DN 32/40 - 80	DN 40 - 80	DN 25 - 100	F05/11	232 05	PS125	53	48	42,5	120	125	149GRD2221	1,1
		DN 125 - 150	F07/14	232 05	PS125	53	48	42,5	120	125	149GRD2223	1,1
DN 100-150	DN 100-150		F07/14	232 08	PS200	53	56	50	197	200	149GRD2415	2,6
DN 200	DN 200	DN 200	F10/17	232 08	PS200	67	56	50	197	200	149GRD2224	2,6
		DN 250	F10/22	232 08	PS200	67	56	50	197	200	149GRD2225	2,6
DN 250	DN 250		F10/22	232 11	PS250	79	79	60	239	250	149GRD2412	5
DN 300 Inox		DN 300	F12/22	232 11	PS250	79	79	60	239	250	149GRD2226	5
DN 300 PFA	DN 300		F12/22	232 11	SG300	79	79	60	293	300	149GRD2511	5
		DN 350	F12/27	232 11	PS250	79	79	60	239	250	149GRD2227	5
		DN 400	F12/27	AB550N	SG400	87,5	83	71	302	400	149GRD1624	8,5
		DN 450	F14/36	AB550N	SG400	87,5	83	71	408	400	149GRD2253	12
		DN 500	F14/36	AB880N	SG400	92,5	101	86	312	400	149GRD1939	15
		DN 600	F14/36	AB1250N	SG500	101,5	110	104,5	346	500	149GRD2380	26
		DN 700	F16/46	AB1950	SG600	121	143	130	490	600	149GRD2510	35
		DN 800	F25/D72	AB1950 / SP4	SG500	200	143	211	450	500	149GRD2541	50
		DN 900	F30/D98	AB6800N / SP4	SG600	200	170	263	500	600	149GRD2024	80
		DN 1000	F30/D98	AB6800N / SP4	SG600	200	170	263	500	600	149GRD2026	80
		DN 1200	F30/D98	AB6800N / SP4	SG600	200	170	263	500	600	149GRD2026	80

EMARIS RM AB	PFA (bar)	Iso top	TYPE	A	B	C	D	ØE	Ref	Kg
DN 50	25	F07/11	AB150	49	71	42,5	175	125	149GRD2620	2,5
DN 65	50								149GRD2557	4
DN 80 & 100	50	F07/14	AB210	54	57	52	188	200	149GRD2571	4,5
DN 125	50	F10/17	AB210						149GRD2571	4,5
DN 150	25	F10/17	AB210	79	83	71	297	300	149GRD2615	10,8
DN 200	50	F10/17	AB550						149GRD2621	
DN 250	25	F12/22	AB550							

Overall dimensions

Assembly



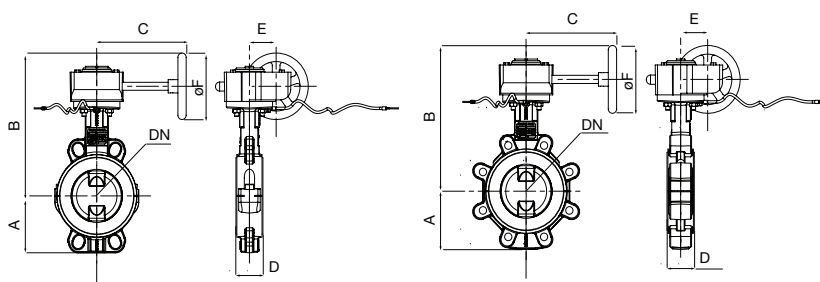
SYLAX						
DN	A	B	C	D	E	ø F
25	50	215	120	32	43	125
32/40	57	220	120	32	43	125
50	62	226	120	43	43	125
65	84	235	120	46	43	125
80	89	241	120	46	43	125
100	106	265	120	52	43	125
125	120	280	120	56	43	125
150	131	293	120	56	43	125
200	164	374	197	60	50	200
250	200	399	197	68	50	200
300	235	459	239	78	60	250
350	270	468	239	78	60	250
400	286	619	302	102	71	400
450	315	658	408	114	71	400
500	355	682	312	127	86	400
600	432	743	346	154	104,5	500
700	503	979	472	165	130	600
800	568	889	480	190	211	500
900	655	1059	500	203	263	600
1000	705	1109	500	216	263	600
1200(2)	768	1229	500	252	263	600

(2) : Double flange only

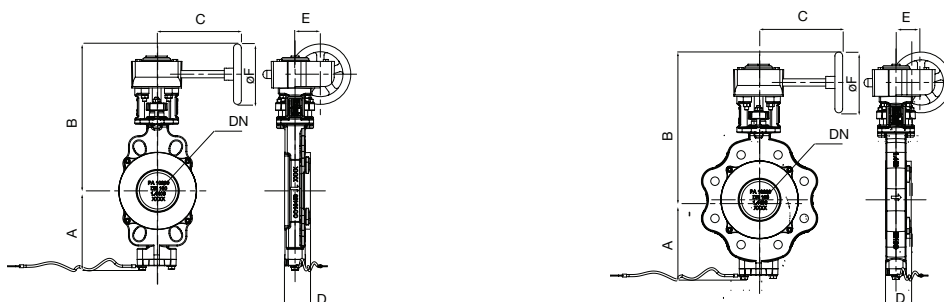
TILIS						
DN	A	B	C	D	E	ø F
40	57	220	120	32	43	125
50	62	226	120	43	43	125
65	84	235	120	46	43	125
80	89	241	120	46	43	125
100	106	266	197	52	50	200
125	120	318	197	56	50	200
150	131	331	197	56	50	200
200	164	374	197	60	50	200
250	200	434	239	68	60	250
300	235	484	293	78	60	300

Overall dimensions Assembly

LYCENE						
DN	A	B	C	D	E	ø F
32/40	73	220	120	32,5	43	125
50	69	229	120	43,5	43	125
65	73	234	120	46,5	43	125
80	89	240	120	46,5	43	125
100	106	305	197	52,5	50	200
125	120	317	197	56,5	50	200
150	132	330	197	56,5	50	200
200	164	373	197	60,5	50	200
250	200	433	239	68,5	60	250
300 INOX	235	458	239	78,5	60	250
300 PFA	235	483	293	78,5	60	300



EMARIS	PFA (bar)	Iso top	TYPE		A	B	C	D	E	øF
DN 50	25	F07/11	AB150	PS125	123	254	175	43	42,5	125
DN 65	50				138	264		47		
DN 80	50	F07/14	AB210	PS125	149	288	184	47	52	125
DN 100	50	F07/14	AB210		162	305	184	53	52	125
DN 125	50	F10/17	AB210	PS200	180	372	188	57	52	200
DN 150	25	F10/17	AB210		197	401	188	57	52	200
	50		AB550	463		297	71		300	
DN 200	25	F10/17	AB550	SG300	233	502	297	61	71	300
DN 250		F12/22			265	536	297	69	71	300



Options

- Manual gear box equipped with 1 (or 2) mechanical limit switch.
- Manual gear box equipped with 1 (or 2) inductive limit switch.
- Manual gear box equipped with IP67 switchbox.
- Manual gear box actuated by operating cap.
- Manual gear box actuated by chain-wheel.
- IP68 manual gear box in cast iron GG25.
- Steel extension.

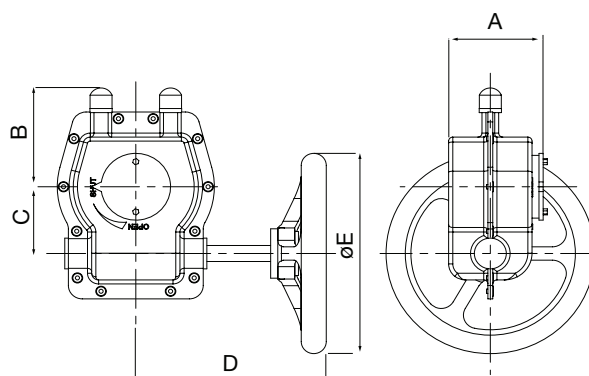
Technical manual

Manual actuation : Gear boxes in stainless steel

Overall dimensions Gear box

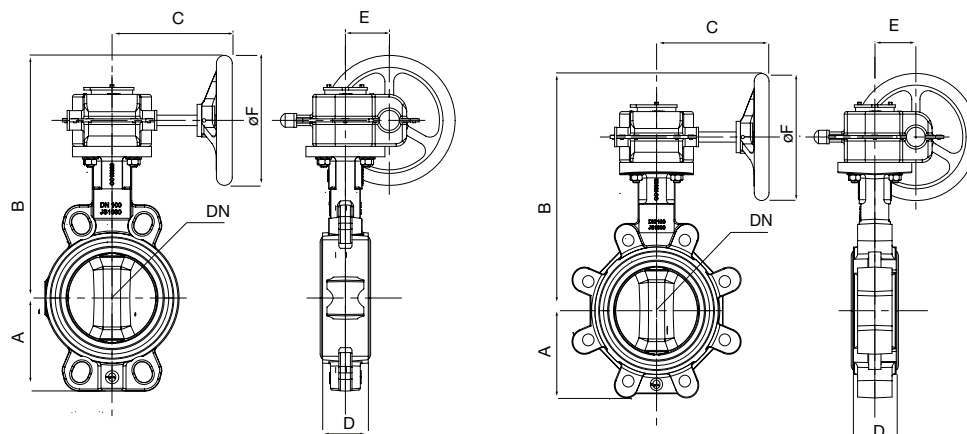
TILIS	EMARIS	LYCENE	SYLAX	ISO TOP	TYPE	A	B	C	D	øE	Ref	Kg
DN 40 - 80		DN 32 - 80	DN 25 - 100	F05/11	307 AL150	128 (1)	71	50	137	150	149H028587	3
	DN 50 - 65			F07/11	307 AL150	68	71	50	137	150	149GRD2058	2
DN 100 - 150	DN 80 - 100	DN 100 - 150	DN 125 - 150	F07/14	307 AL150	68	71	50	137	150	149H028588	2
DN 200	DN 125 - 150	DN 200		F10/17	310 AL215	84	90	60	227	215	149H028589	3,5
DN 250		DN 250		F10/22	310 AL215	84	90	60	227	215	149H028590	3,5
	DN 200			F10/17	312 AL350	167 (1)	102	80	290	350	149GRD2256	10
		DN 250		F10/22	312 AL350	167 (1)	102	80	290	350	149GRD2090	10
DN 300	DN 250	DN 300		F12/22	312 AL350	87	102	80	290	350	149H028591	8
		DN 350		F12/27	312 AL350	87	102	80	290	350	149GRD1669	8

(1) : Mounting with support and joint



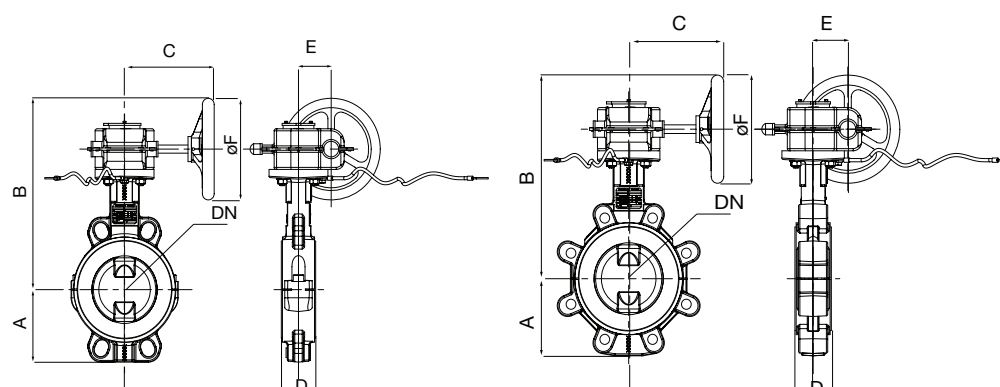
Overall dimensions Assembly

SYLAX - TILIS						
DN	A	B	C	D	E	ø F
25	50	289	137	32	50	150
32/40	57	294	137	32	50	150
50	62	300	137	43	50	150
65	70	309	137	46	50	150
80	89	315	137	46	50	150
100 - TILIS	106	279	137	52	50	150
100 - SYLAX	106	339	137	52	50	150
125	120	294	137	56	50	150
150	131	307	137	56	50	150
200	164	390	227	60	60	215
250	200	415	227	68	60	215
300	235	511	290	78	80	350
350	270	520	290	78	80	350

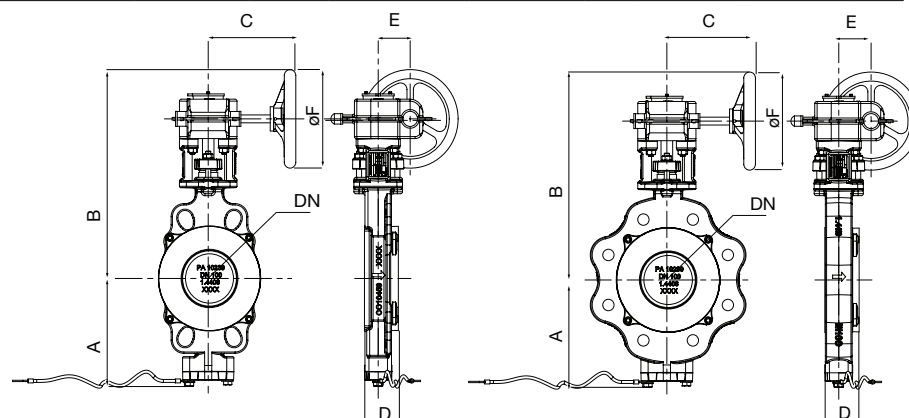


Overall dimensions Assembly

LYCENE						
DN	A	B	C	D	E	ø F
DN 32/40	73	294	137	32,5	50	150
DN 50	69	303	137	43,5	50	150
DN 65	73	309	137	46,5	50	150
DN 80	89	314	137	46,5	50	150
DN 100	106	281	137	52,5	50	150
DN 125	120	293	137	56,5	50	150
DN 150	132	306	137	56,5	50	150
DN 200	164	389	227	60,5	60	215
DN 250	200	565	290	68,5	80	350
DN 300	235	510	290	78,5	80	350



EMARIS	PFA (bar)	ISO TOP	TYPE		A	B	C	D	E	øF
DN 50	25	F07/11	307	AL150	123	269	137	43	50	150
DN 65		F07/11			138	279	137	47	50	150
DN 80		F07/14	307	AL150	149	300	137	47	50	150
DN 100		F07/14			162	317	137	53	50	150
DN 125	50	F10/17	310	AL215	180	387	227	57	60	215
DN 150		F10/17			197	416	227	57	60	215
DN 200		F10/17	312	AL350	233	526	290	61	80	350
DN 250		F12/22			265	560	290	69	80	350



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