

Chapter 5

Shut Off Valves

SYLAX WITH NOTCHED DUCTILE
HANDLEVER

SYLAX - ANSI 150 AND PN25 VALVE
OPTIONS

SYLAX WITH MANUAL GEARBOX

SYLAX FM/CNPP FOR SPRINKLER
SYSTEMS WITH MANUAL GEAR BOX

SYLAX GAS

TILIS

LYCENE

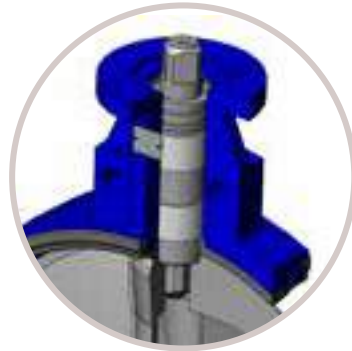
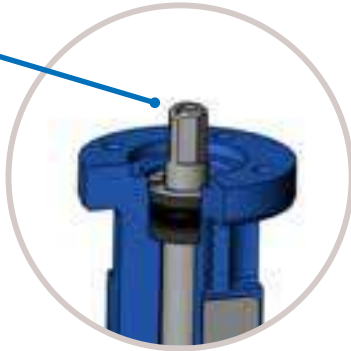
EMARIS

MANUAL ACTUATIONS AND
ACCESSORIES

BALL VALVES

A CHOICE OF THE HIGHEST PERFORMANCE TECHNOLOGIES FOR THE 25 TO 1200 MM RANGE

By concentrating the technologies in the field and by integrating technical solutions of the highest standard, Socla is realising its ambition : the competitiveness of a standard range, reliability and a comprehensive approach, offering a multiplicity of solutions.

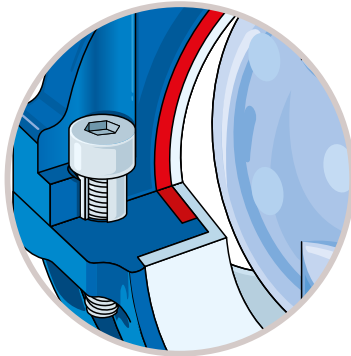


SYLAX
(DN>350mm) feature :

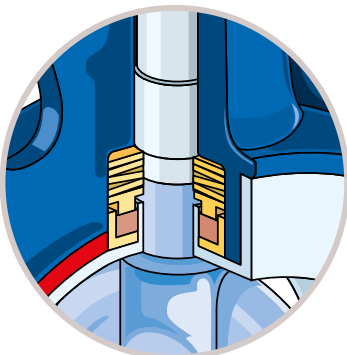
- Safety anti-ejection circlip keeps shaft in place and allows easy maintenance
- Safety reinforced by double watertightness

- Safety anti-ejection circlip keeps shaft in place and allows easy maintenance.
- Safety reinforced by double watertightness.
- Spline driven one piece shaft connected to floating disc guarantees high reliability of tightness and torque transmission in the long term.

- High power transmission with robust squared connection between the shaft and the disc.
- Complete protection of the shaft and valve body from fluids.
- Reliability of movement with self-lubricating bearings.



- Very high level of working safety for chemical media, food processing industries and pure water thanks to quality components :
 - . PTFE liner (3 mm thick).
 - . Stainless steel 316L mirror polished and SS 316L PFA coated (2,5 mm thick).
- Liner back-up enclosed in the body ensures perfect disc tightness.



- PFA moulding up the stem ensuring zero leakage
- Tightness at shaft location with bearing and spring

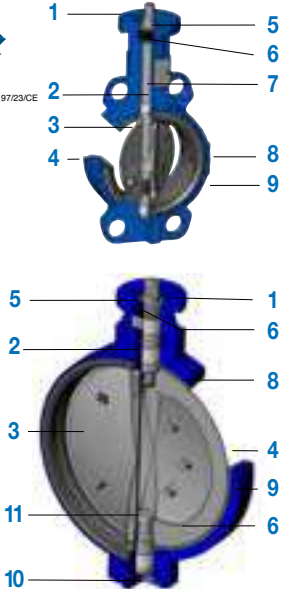


TRACEABILITY

- Identification and traceability ensured by riveted metal tag.

SYLAX DN 25 TO 1200 MM

- Multiple combinations
- Short listed in industry
- Easy maintenance
- Reliability - Robustness



Main technical features Designed in accordance with EN593	
1	Top connection according to ISO5211 standard.
2	Anti-friction bearings
3	Squared driven shaft connected to spherically machined disc. Floating disc allows self centering thus preventing stress on the liner during operation
4	Tongue and groove seat design allows perfect tightness.
5	Circlip preventing ejection of shaft
6	Secondary sealing
7	One piece shaft
8	Replaceable elastomer liner ensures full protection of shaft and body
9	Face to face dimensions according to : ISO 5752 class 20 NFEN 558 class 20 API609 table 2 (except DN >350mm)
10	Access plate for dismantling of shaft
11	Two part shaft equipped with anti friction bearings

Sylax butterfly valves are designed for industrial processes and general services.

Sylax are designed to operate in many different fields including metallurgical, mining, paper-making, shipbuilding, nuclear, environmental and mechanical industries.

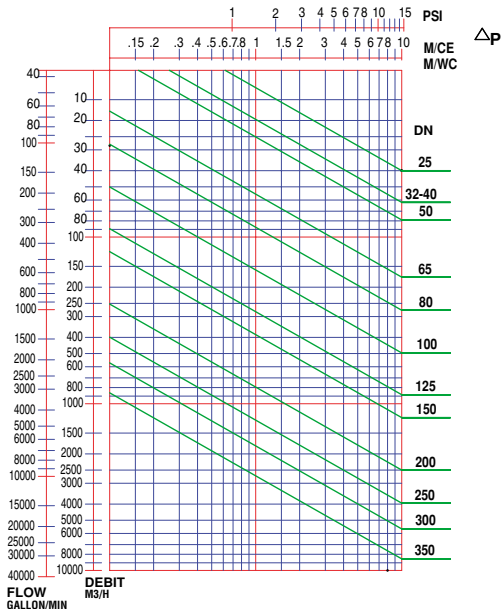
Sylax is well recognised in the car, chemical, food industries, water plants...

For special applications, especially for particularly difficult media, contact our technical team.

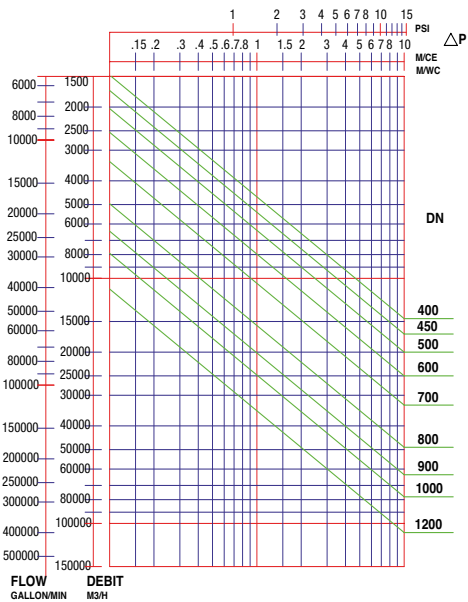
On request : we can supply butterfly valves type SYLAX conforming to the Directive 94/9/CE (products or systems used in an explosive atmosphere : see the extra price table page 87)



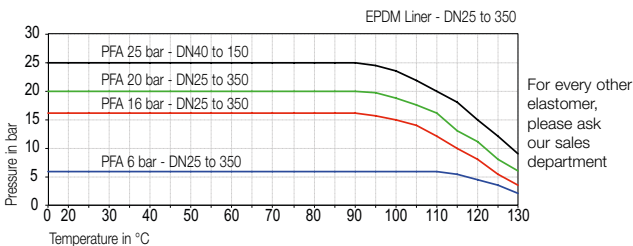
HEADLOSS CHART FOR WATER AT 20°C SYLAX



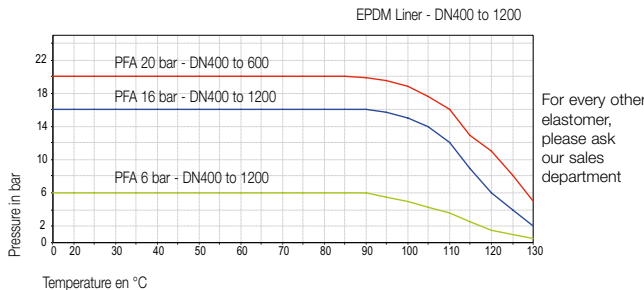
HEADLOSS CHART FOR WATER AT 20°C SYLAX



PRESSURE/TEMPERATURE CHART



PRESSURE/TEMPERATURE CHART

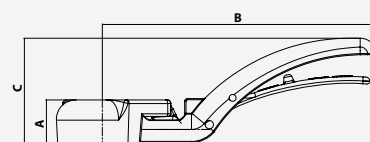


Chapter 5.1

Shut Off Valves - Sylax with Notched Ductile Handlever

SYLAX WITH NOTCHED DUCTILE IRON HANDLEVER

EPDM - High content Nitrile Carboxylated nitrile - Silicone	FKM - CSM	White EPDM	A	B	C
DN 25 a 100	DN 32 a 100	DN 32 a 100	33	200	78
DN 125 a 150	DN 125	-	33	290	98
DN 200 a 250	DN 150 a 250	DN 125 a 200	42	450	128
DN 300	-	-	42	450	128



SYLAX WAFER TYPE - DUCTILE IRON POLYAMIDE COATED DISC

EPDM - General and industrial services

θ -10°/+120° with CAST IRON GG25 body

θ -15°/+120° with DUCTILE IRON GGG40 body

Nitrile - General and industrial services, untreated water

θ +5°/+85°



Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
CAST IRON GG25 BODY			
149G 010 894	149G 011 078	50	3,3
149G 010 909	149G 011 087	65	3,6
149G 010 928	149G 011 093	80	4,0
149G 097 543	149G 011 107	100	6,3
149G 059 144	149G 011 116	125	7,5
149G 011 005	149G 011 120	150	8,5
149G 016 257	149G 016 275	200	16,8
149G 410 10	149G 016 276 (*)	250	23,1
149G 023 900	149G 41 031 (*)	300	32,9

Flange rating PN 6/10/16/ASA 150. PFA 16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar maxi and PN 10

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G 012 151	149G 012 242	50	3,3
149G 012 159	149G 012 244	65	3,6
149G 012 166	149G 012 247	80	4,0
149G 012 180	149G 012 254	100	7,1
149G 016 116	149G 012 260	125	7,5
149G 012 197	149G 016 096	150	8,4
149G 026 175	149G 420 29	200	16,6
149G 420 10	149G 420 30 (*)	250	22,9
149G 026 474	149G 420 31 (*)	300	32,5

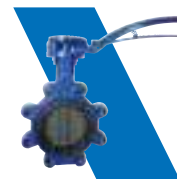
Flange rating PN 6/10/16/ASA 150. PFA 16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar maxi and PN 10

SYLAX LUG TYPE - DUCTILE IRON POLYAMIDE COATED DISC**EPDM - General and industrial services**

θ -10°/+120° with CAST IRON GG25 body

θ -15°/+120° with DUCTILE IRON GGG40 body

**Nitrile - General and industrial services, untreated water**

θ +5°/+85°

Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
CAST IRON GG25 BODY			
149G 027 890	149G 011 616	50	3,7
149G 027 891	149G 011 620	65	4,1
149G 027 888	149G 059 316	80	5,1
149G 027 889	149G 011 626	100	7,6
149G 016 710	149G 018 958	125	10,0
149G 062 568	149G 011 631	150	11,0
149G 025 186 (*)	149G 025 187 (*)	200	23,0
149G 026 249 (*)	149G 414 30 (*)	250	29,7
149G 414 11 (*)	149G 414 31 (*)	300	39,5

Flange rating PN 10/16. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar and PN10

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G 012 491	149G 012 513	50	3,7
149G 012 493	149G 019 876	65	5,0
149G 019 826	149G 019 880	80	5,0
149G 012 497	149G 012 517	100	7,7
149G 019 834	149G 019 888	125	9,8
149G 012 500	149G 059 597	150	10,9
149G 424 12 (***)	149G 424 32 (***)	200	23,1
149G 424 13 (***)	149G 424 33 (**)	250	28,0
149G 424 14 (***)	149G 424 34 (**)	300	38,4
149G 424 09 (*)	149G 424 29 (*)	200	23,6
149G 424 10 (*)	149G 424 30 (*)	250	28,1
149G 424 11 (*)	149G 424 31 (*)	300	38,3

Flange rating PN 10/16. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar and PN10

(**) PFA = PS maxi = 10 bar and PN16

(***) PN16

SYLAX WAFER TYPE - DUCTILE IRON POLYAMIDE COATED DISC

CARBOXYLATED NITRILE - Powdery, abrasive fluids

θ +5°/+110°



Part Number (1)	DN mm	Kg
CAST IRON GG25 BODY		
149G 041 693	50	3,3
149G 041 694	65	3,7
149G 026 512	80	3,9
149G 024 662	100	6,3
149G 041 695	125	7,5
149G 041 696	150	8,6
149G 025 065 (*)	200	16,8
149G 041 697 (*)	250	23,0
149G 041 698 (*)	300	32,3

Flange rating PN 6/10/16/ASA 150. PFA 10 bar (water) / PS (p.234)

(*) PFA = PS maxi = 6 bar

Part Number (2)	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 038 008	50	3,2
149G 028 380	65	3,7
149G 027 995	80	4,0
149G 038 009	100	7,1
149G 038 010	125	7,5
149G 038 011	150	11,1
149G 035 117 (*)	200	16,7
149G 038 012 (*)	250	22,8
149G 038 013 (*)	300	32,0

Flange rating PN 6/10/16/ASA 150. PFA 10 bar (water) / PS (p.234)

(*) PFA = PS maxi = 6 bar

SYLAX LUG TYPE - DUCTILE IRON POLYAMIDE COATED DISC**CARBOXYLATED NITRILE - Powdery, abrasive fluids**

θ +5°/+110°



Part Number (1)	DN mm	Kg
CAST IRON GG25 BODY		
149G 039 432	50	3,7
149G 039 433	65	4,2
149G 039 434	80	5,1
149G 039 435	100	7,6
149G 039 436	125	4,2
149G 039 437	150	11,1
149G 039 438 (*)	200	23,1
149G 039 439 (*)	250	29,6
149G 039 440 (*)	300	30,2

Flange rating PN 10/16. PFA 10 bar (water) / PS (p.234)

(*) PFA = PS maxi = 6 bar and PN10

Part Number (2)	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 039 441	50	3,7
149G 039 442	65	5,1
149G 039 443	80	5,0
149G 039 444	100	7,7
149G 039 445	125	8,6
149G 039 446	150	11,0
149G 039 447 (**)	200	23,2
149G 039 448 (**)	250	27,0
149G 039 449 (**)	300	36,7
149G 039 450 (*)	200	22,5
149G 039 451 (*)	250	27,0
149G 039 452 (*)	300	36,7

Flange rating PN 10/16. PFA 10 bar (water) / PS (p.234)

(*) PFA = PS maxi = 6 bar and PN10

(**) PFA = PS maxi = 6 bar and PN16

SYLAX WAFER TYPE - DUCTILE IRON EPOXY COATED DISC

EDPM - Drinking water

θ -10°/+90° with CAST IRON GG25 body

θ -15°/+90° with DUCTILE IRON GGG40 body



Nitrile - Untreated Water

θ +5°/+85°

Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
CAST IRON GG25 BODY			
149G 032 103	149G 045 107	50	3,3
149G 032 113	149G 045 108	65	3,6
149G 032 123	149G 045 109	80	4,0
149G 032 133	149G 045 110	100	6,3
149G 032 143	149G 045 111	125	7,5
149G 032 153	149G 045 112	150	8,5
149G 093 562	149G 045 113	200	16,8
149G 431 70	149G 045 114 (*)	250	23,1
149G 431 71	149G 045 115 (*)	300	32,9

Flange rating PN 6/10/16/ASA 150. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G 036 113	149G 045 116	50	3,3
149G 039 453	149G 045 117	65	3,6
149G 023 622	149G 045 118	80	4,0
149G 038 573	149G 045 119	100	7,1
149G 038 574	149G 045 120	125	7,5
149G 038 575	149G 045 121	150	8,4
149G 039 454	149G 045 122	200	16,6
149G 039 455	149G 045 123 (*)	250	22,9
149G 039 456	149G 045 124 (*)	300	32,5

Flange rating PN 6/10/16/ASA 150. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar

SYLAX LUG TYPE - DUCTILE IRON EPOXY COATED DISC**EDPM - Drinking water**

θ -10°/+90° with CAST IRON GG25 body

θ -15°/+90° with DUCTILE IRON GGG40 body

**Nitrile - Untreated Water**

θ +5°/+85°

Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
CAST IRON GG25 BODY			
149G 032 852	149G 045 125	50	3,7
149G 032 862	149G 045 126	65	4,1
149G 032 872	149G 045 127	80	5,1
149G 032 882	149G 045 128	100	7,6
149G 032 892	149G 045 129	125	10,0
149G 032 902	149G 045 130	150	11,0
149G 032 912 (*)	149G 045 131(*)	200	23,0
149G 032 921 (*)	149G 045 132(*)	250	29,7
149G 032 929 (*)	149G 045 133(*)	300	39,5

Flange rating PN 10/16. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar and PN10

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G 039 457	149G 045 134	50	3,7
149G 039 458	149G 045 135	65	5,0
149G 039 459	149G 045 136	80	5,0
149G 039 460	149G 045 137	100	7,7
149G 039 461	149G 045 138	125	9,8
149G 039 462	149G 045 139	150	10,9
149G 039 463 (***)	149G 045 140 (***)	200	23,1
149G 039 464 (***)	149G 045 141 (**)	250	28,0
149G 039 465 (***)	149G 045 142 (**)	300	38,4
149G 039 466 (*)	149G 045 143 (*)	200	23,6
149G 039 467 (*)	149G 045 144 (*)	250	28,1
149G 039 468 (*)	149G 045 145 (*)	300	38,3

Flange rating PN 10/16. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar and PN10

(**) PFA = PS maxi = 10 bar and PN16

(***) PN16

SYLAX WAFER TYPE - 316 STAINLESS STEEL DISC

EDPM - Drinking water, general services and industrial processes, swimming pool water

θ -10°/+120° with CAST IRON GG25 body

θ - 15°/+120° with DUCTILE IRON GGG40 body



Nitrile - General services and industrial processes, hydrocarbons

θ +5°/+85°

Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
CAST IRON GG25 BODY			
149G 059 712 (*)	149G 036 917 (*)	25	2,4
149G 011 254	149G 011 375	32/40	2,6
149G 011 266	149G 011 378	50	3,3
149G 011 287	149G 011 387	65	3,7
149G 011 297	149G 011 394	80	4,0
149G 011 316	149G 011 399	100	6,3
149G 011 334	149G 011 404	125	7,7
149G 059 260	149G 011 409	150	9,2
149G 016 281	149G 016 283	200	16,8
149G 097 060	149G 016 284 (*)	250	23,4
149G 023 904	149G 411 11 (*)	300	25,6

Flange rating PN 6/10/16/ASA 150. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G 012 313	149G 019 665	32/40	2,9
149G 012 322	149G 026 594	50	3,3
149G 012 332	149G 012 399	65	3,7
149G 012 339	149G 012 401	80	4,0
149G 059 541	149G 012 403	100	7,1
149G 012 360	149G 012 406	125	7,7
149G 012 368	149G 012 409	150	9,1
149G 420 89	149G 421 09	200	16,6
149G 420 90	149G 421 10 (*)	250	23,2
149G 420 91	149G 421 11 (*)	300	25,2

Flange rating PN 6/10/16/ASA 150. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar

SYLAX LUG TYPE - 316 STAINLESS STEEL DISC**EDPM - Drinking water, general services and industrial processes, swimming pool water**

θ -10°/+120° with CAST IRON GG25 body

θ - 15°/+120° with DUCTILE IRON GGG40 body

**Nitrile - General services and industrial processes, hydrocarbons**

θ +5°/+85°

Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
CAST IRON GG25 BODY			
149G 028 008	149G 011 720	50	3,7
149G 011 686	149G 011 722	65	4,2
149G 011 691	149G 011 724	80	5,1
149G 011 696	149G 011 726	100	7,6
149G 028 007	149G 011 728	125	10,2
149G 028 006	149G 059 358	150	11,7
149G 092 060 (*)	149G 415 09 (*)	200	23,0
149G 414 90 (*)	149G 025 988 (*)	250	30,0
149G 414 91 (*)	149G 415 11 (*)	300	32,2

Flange rating PN 10/16. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar and PN10

(**) PFA = PS maxi = 10 bar and PN16

(***) PFA = PS maxi = 16 bar and PN16

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G 016 753	149G 016 755	32	3,4
149G 016 754	149G 059 626	40	3,4
149G 016 219	149G 016 303	50	3,7
149G 012 574	149G 059 628	65	5,1
149G 012 577	149G 038 678	80	5,0
149G 012 582	149G 012 602	100	7,7
149G 012 584	149G 012 605	125	10,0
149G 012 586	149G 012 607	150	11,6
149G 424 92 (***)	149G 425 12 (***)	200	23,1
149G 424 93 (***)	149G 425 13 (**)	250	28,3
149G 424 94 (***)	149G 425 14 (**)	300	31,1
149G 424 89 (*)	149G 425 09 (*)	200	23,6
149G 424 90 (*)	149G 425 10 (*)	250	28,4
149G 424 91 (*)	149G 425 11 (*)	300	31,0

Flange rating PN 10/16. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar and PN10

(**) PFA = PS maxi = 10 bar and PN16

(***) PFA = PS maxi = 16 bar and PN16

SYLAX WAFER TYPE - 316 STAINLESS STEEL DISC

Silicone - Air or dry hot gas, ice-cold water, industrial process

θ -10°/+200° with CAST IRON GG25 body

θ - 25°/+200° with DUCTILE IRON GGG40 body



FKM - Industrial fluids, acids, bases hydrocarbons

θ +5°/+180°

Whilst FKM and Silicone have high temperature thresholds, these materials are not recommended for use on WET DUTY at high temperature. DRY duties only recommended at high temperature thresholds. Not for use on hot water.

Part Number SILICONE (1)	Kg	Part Number FKM (2)	Kg	DN mm
CAST IRON GG25 BODY				
149G 039 474	2,6	-	-	32/40
149G 039 475	3,3	-	-	50
149G 039 476	3,8	149G 027 936	3,8	65
149G 039 477	4,0	149G 022 723	4,0	80
149G 088 187	6,3	149G 013 493	6,4	100
149G 039 479	7,8	149G 039 486	7,9	125
149G 039 480	9,3	149G 062 148	9,6	150
149G 039 481 (*)	17,1	149G 045 768	17,2	200
149G 039 482 (*)	23,4	-	-	250
149G 039 483 (*)	25,6	-	-	300

Flange rating PN 6/10/16/ASA 150. PFA 10 bar (water) / PS (p.234)

(*) PFA = PS maxi = 6 bar

Part Number SILICONE (3)	Kg	Part Number FKM (4)	Kg	DN mm
DUCTILE IRON GGG40 BODY				
149G 020 771	2,9	149G 012 052	2,9	32/40
149G 020 775	3,3	149G 012 054	3,3	50
149G 020 779	3,7	149G 019 277	3,8	65
149G 016 543	4,0	149G 016 085	4,1	80
149G 020 787	7,1	149G 012 063	7,2	100
149G 020 791	7,8	149G 012 066	7,9	125
149G 017 229	9,1	149G 072 719	9,4	150
149G 020 799 (*)	16,9	149G 036 556	17,0	200
149G 020 803 (*)	23,2			250
149G 020 807 (*)	25,3			300

Flange rating PN 6/10/16/ASA 150. PFA 10 bar (water) / PS (p.234)

(*) PFA = PS maxi = 6 bar

SYLAX LUG TYPE - 316 STAINLESS STEEL DISC**Silicone - Air or dry hot gas, ice-cold water, industrial process**

θ -10°/+200° with CAST IRON GG25 body

θ - 25°/+200° with DUCTILE IRON GGG40 body

**FKM - Industrial fluids, acids, bases hydrocarbons**

θ +5°/+180°

Whilst FKM and Silicone have high temperature thresholds, these materials are not recommended for use on WET DUTY at high temperature. DRY duties only recommended at high temperature thresholds. Not for use on hot water.

Part Number SILICONE (1)	Kg	Part Number FKM (2)	Kg	DN mm
CAST IRON GG25 BODY				
149G 039 490	3,7	149G 039 529	3,7	50
149G 039 491	4,2	149G 039 530	4,3	65
149G 039 492	5,1	149G 039 503	5,2	80
149G 039 493	7,6	149G 039 504	7,7	100
149G 039 494	10,2	149G 039 531	10,4	125
149G 039 495	11,8	149G 073 769	12,1	150
149G 039 496 (*)	23,4	149G 046 218(**)	23,4	200
149G 039 497 (*)	30,0			250
149G 039 498 (*)	32,3			300

Flange rating PN 10/16. PFA 10 bar (water) / PS (p.234)

(*) PFA = PS maxi = 6 bar and PN10

(**) PN10

Part Number SILICONE (3)	Kg	Part Number FKM (4)	Kg	DN mm
DUCTILE IRON GGG40 BODY				
149G 022 126	4,5	149G 022 188	3,4	32
149G 022 130	4,5	149G 022 192	3,4	40
149G 022 134	4,8	149G 014 686	3,8	50
149G 022 138	5,1	149G 022 200	5,2	65
149G 022 142	5,0	149G 022 204	5,1	80
149G 022 146	7,7	149G 059 993	7,8	100
149G 022 150	10,1	149G 014 692	10,2	125
149G 014 676	11,7	149G 073 770	11,9	150
149G 022 173 (**)	23,4	149G 046 220 (****)	23,5	200
149G 022 177 (**)	27,2	-	-	250
149G 022 181 (**)	29,4	-	-	300
149G 022 158 (*)	23,9	149G 046 219 (***)	24,0	200
149G 022 162 (*)	27,3	-	-	250
149G 022 166 (*)	31,1	-	-	300

Flange rating PN 10/16. PFA 10 bar (water) / PS (p.234)

(*) PFA = PS maxi = 6 bar and PN10

(**) PFA = PS maxi = 6 bar and PN16

(***) PN10

(****) PN16

SYLAX WAFER TYPE - 316 STAINLESS STEEL DISC

CARBOXYLATED NITRILE - Powdery, abrasive fluids

θ +5°/+110°



Part Number (1)	Kg	Part Number (2)	Kg	DN mm
149G 045 006	2,6	149G 042 613	2,9	32/40
149G 045 007	3,3	149G 035 671	3,2	50
149G 045 008	3,7	149G 035 672	3,7	65
149G 045 009	4,0	149G 035 673	4,0	80
149G 045 010	6,3	149G 093 454	7,1	100
149G 045 011	7,8	149G 017 247	7,7	125
149G 045 012	9,3	149G 035 676	9,2	150
149G 045 014 (*)	16,9	149G 035 677 (*)	16,7	200
149G 045 015 (*)	23,3	149G 035 678 (*)	23,1	250
149G 045 017 (*)	25,0	149G 035 679 (*)	24,7	300

Flange rating PN 6/10/16/ASA 150. PFA 10 bar (water) / PS (p.234)

(*) PFA = PS maxi = 6 bar

SYLAX LUG TYPE - 316 STAINLESS STEEL DISC

CARBOXYLATED NITRILE - Powdery, abrasive fluids

θ +5°/+110°



Part Number (3)	Kg	Part Number (4)	Kg	DN mm
-	-	149G 045 031	3,4	32
-	-	149G 045 032	3,4	40
149G 045 022	3,7	149G 045 033	3,7	50
149G 045 024	4,2	149G 045 034	5,1	65
149G 042 964	5,1	149G 045 035	5,0	80
149G 045 025	7,6	149G 045 036	7,7	100
149G 045 026	10,2	149G 045 037	10,1	125
149G 045 027	11,8	149G 045 038	11,7	150
149G 045 028 (*)	23,1	149G 045 039 (**)	23,2	200
149G 045 029 (*)	29,9	149G 045 040 (**)	28,2	250
149G 045 030 (*)	31,7	149G 045 044 (**)	30,5	300
-	-	149G 045 042 (*)	23,7	200
-	-	149G 045 043 (*)	28,2	250
-	-	149G 045 041 (*)	30,5	300

Flange rating PN10/16. PFA 10 bar (water) / PS (p.234)

(*) PFA = PS maxi = 6 bar and PN10

(**) PFA = PS maxi = 6 bar and PN16

SYLAX WAFER TYPE - ALU BRONZE DISC**EDPM - General and industrial services, swimming pool water**

θ -10°/+120° with CAST IRON GG25 body

θ -15°/+120° with DUCTILE IRON GGG40 body

Nitrile - Sea water, ship yards

θ +5°/+85°



Part Number EDPM (1)	Part Number NITRILE (2)	Kg	DN mm
CAST IRON GG25 BODY			
149G 011 158	149G 011 207	3,5	32/40
149G 011 172	149G 011 213	3,4	50
149G 011 177	149G 011 218	3,7	65
149G 011 181	149G 011 223	3,9	80
149G 011 186	149G 011 226	6,4	100
149G 011 192	149G 011 229	7,8	125
149G 011 195	149G 011 233	8,6	150
149G 016 277	149G 016 280	16,6	200
149G 410 50	149G 016 361(*)	22,4	250
149G 023 902	149G 023 903(*)	25,6	300

Flange rating PN 6/10/16/ASA 150. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar

Part Number EPDM (3)	Part Number NITRILE (4)	Kg	DN mm
DUCTILE IRON GGG40 BODY			
149G 012 273	149G 016 864	3,8	32/40
149G 016 135	149G 012 293	3,3	50
149G 019 541	149G 012 295	3,7	65
149G 016 136	149G 012 297	4,0	80
149G 019 549	149G 016 029	7,1	100
149G 019 553	149G 012 300	7,8	125
149G 012 282	149G 016 296	8,5	150
149G 420 49	149G 420 69	16,4	200
149G 420 50	149G 420 70(*)	22,2	250
149G 420 51	149G 420 71(*)	25,2	300

Flange rating PN 6/10/16/ASA 150. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar

SYLAX LUG TYPE - ALU BRONZE DISC

EDPM - General and industrial services, swimming pool water

θ -10°/+120° with CAST IRON GG25 body

θ -15°/+120° with DUCTILE IRON GGG40 body



Nitrile - Sea water, ship yards

θ +5°/+85°

Part Number EDPM (1)	Part Number NITRILE (2)	Kg	DN mm
CAST IRON GG25 BODY			
149G 018 982	149G 019 010	3,7	50
149G 018 985	149G 016 157	4,2	65
149G 018 988	149G 016 158	5,1	80
149G 018 991	149G 016 299	7,7	100
149G 018 994	149G 019 022	10,3	125
149G 018 997	149G 019 025	11,1	150
149G 414 49(*)	149G 414 69(*)	22,9	200
149G 414 50(*)	149G 414 70(*)	28,9	250
149G 414 51(*)	149G 414 71(*)	32,2	300

Flange rating PN 10/16. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar and PN10

Part Number EDPM (3)	Part Number NITRILE (4)	Kg	DN mm
DUCTILE IRON GGG40 BODY			
149G 012 527	149G 019 968	4,5	32
149G 035 531	149G 019 972	4,3	40
149G 019 922	149G 058 955	3,7	50
149G 012 534	149G 044 002	5,1	65
149G 019 930	149G 019 984	5,0	80
149G 019 934	149G 019 988	7,8	100
149G 019 938	149G 019 992	10,1	125
149G 019 942	149G 019 996	11,0	150
149G 424 52(***)	149G 424 72(***)	22,9	200
149G 424 53(***)	149G 424 73(**)	27,3	250
149G 424 54(***)	149G 424 74(**)	29,4	300
149G 424 49(*)	149G 424 69(*)	23,5	200
149G 424 50(*)	149G 424 70(*)	27,4	250
149G 424 51(*)	149G 424 71(*)	31,1	300

Flange rating PN 10/16. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar and PN10

(**) PFA = PS maxi = 10 bar and PN16

(***) PN16

SYLAX WAFER TYPE - 316 STAINLESS STEEL DISC

EDPM - Drinking water, general services and industrial processes, swimming pool water
 θ -15°/+120° Steel Body

Nitrile - General services and industrial processes, hydrocarbons
 θ +5°/+85° Steel Body



Part Number EDPM (1)	Part Number NITRILE (2)	Kg	DN mm
STEEL BODY			
149G 041 699	149G 041 700	2,8	32/40
149G 016 771	149G 016 780	3,0	50
149G 016 772	149G 016 781	3,0	65
149G 016 773	149G 016 782	3,2	80
149G 016 774	149G 016 783	4,2	100
149G 016 775	149G 016 784	8,5	125
149G 016 776	149G 016 785	9,5	150
149G 016 777	149G 016 786	18,2	200
149G 016 778	149G 016 797(*)	25,1	250
149G 016 779	149G 016 798(*)	30,8	300

Flange rating PN 10/16. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar

SYLAX WAFER TYPE - 316 STAINLESS STEEL DISC

EDPM - Drinking water, general services and industrial processes, swimming pool water
 θ -15°/+120° Stainless Steel body

Nitrile - General services and industrial processes, hydrocarbons
 θ +5°/+85° Stainless Steel body



Part Number EDPM (1)	Part Number NITRILE (2)	Kg	DN mm
STAINLESS STEEL BODY			
149G 016 610	149G 018 560	2,8	32/40
149G 012 987	149G 016 818	3,0	50
149G 012 991	149G 016 819	3,0	65
149G 012 993	149G 016 820	4,3	80
149G 012 998	149G 016 816	4,2	100
149G 015 990	149G 016 821	8,5	125
149G 013 005	149G 016 817	9,5	150
149G 013 009	149G 016 822	18,2	200
149G 016 814	149G 016 823(*)	25,1	250
149G 016 815	149G 016 824(*)	30,8	300

Flange rating PN 10/16. PFA 16 bar (water) / PS (p.234)

(*) PFA = PS maxi = 10 bar

SYLAX LUG TYPE - 316 STAINLESS STEEL DISC

EDPM - Drinking water, general services and industrial processes, swimming pool water
 θ -15°/+120° with STAINLESS STEEL body

Nitrile - General services and industrial processes, hydrocarbons
 θ +5°/+85° with STAINLESS STEEL body



Part Number EDPM (1)	Part Number NITRILE (2)	Kg	DN mm
STAINLESS STEEL BODY			
149G 020 660	149G 020 669	3,9	50
149G 020 661	149G 020 670	4,9	65
149G 020 662	149G 020 671	3,2	80
149G 020 663	149G 020 672	5,8	100
149G 063 722	149G 020 673	5,9	125
149G 020 665	149G 020 674	7,0	150
149G 020 666(***)	149G 020 675(***)	34,0	200
149G 020 667(***)	149G 020 676(**)	44,0	250
149G 020 668(***)	149G 020 677(**)	58,0	300
149G 041 721(*)	149G 041 724(*)	34,0	200
149G 041 722(*)	149G 041 725(*)	44,0	250
149G 041 723(*)	149G 041 726(*)	58,0	300

Flange rating PN 10/16. PFA 16 bar (water) / PS (p.234)

(*) ISO PN10 and PN10

(**) ISO PN10

(***) ISO PN16

Chapter 5.2

Shut Off Valves - ANSI 150 and PN25 Valve Options

SYLAX WAFER TYPE - DUCTILE IRON POLYAMIDE COATED DISC

EDPM - General and industrial services

 θ -10°/+90°

Nitrile - General and industrial services, untreated water

 θ +5°/+85°

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ANSI 150 / 20 Bar

Part Number EDPM (1)	Part Number NITRILE (2)	Kg	DN mm
DUCTILE IRON GGG40 BODY			
149G 039 540	149G 046 105	3,3	50
149G 014 779	149G 046 106	3,7	65
149G 039 541	149G 046 107	3,2	80
149G 039 542	149G 042 781	7,1	100
149G 039 568	149G 046 108	7,6	125
149G 039 543	149G 046 109	9,7	150
149G 039 544	149G 046 110	16,7	200

Flange rating ASA 150. PFA 20 bar (water) / PS (p.234)

PN25 / 25 Bar

Part Number EDPM (1)	Kg	DN mm
DUCTILE IRON GGG40 BODY		
149G 015 179	4,3	50
149G 026 507	3,9	65
149G 016 807	4,2	80
149G 028 957	7,7	100
149G 026 545	9,4	125
149G 026 546	10,2	150

Flange rating PN 25. PFA 25 bar (water) / PS (p.234)

SYLAX LUG TYPE - DUCTILE IRON POLYAMIDE COATED DISC

EDPM - General and industrial services

θ -10°/+90°

Nitrile - General and industrial services, untreated water

θ +5°/+85°



ANSI 150 / 20 Bar

Part Number EDPM (1)	Part Number NITRILE (2)	Kg	DN mm
DUCTILE IRON GGG40 BODY			
149G 039 554	149G 046 152	3,8	50
149G 039 555	149G 046 153	4,1	65
149G 039 556	149G 046 154	3,9	80
149G 039 557	149G 046 155	8,2	100
149G 039 569	149G 046 156	9,0	125
149G 039 558	149G 046 157	12,2	150
149G 039 559	149G 046 158	23,6	200

Flange rating ASA 150. PFA 20 bar (water) / PS (p.234)

PN25 / 25 Bar

Part Number EDPM (1)	Kg	DN mm
DUCTILE IRON GGG40 BODY		
149G 046 571	3,8	50
149G 062 787	5,0	65
149G 060 016	5,2	80
149G 034 285	8,3	100
149G 034 288	11,2	125
149G 034 291	11,8	150

Flange rating PN 25. PFA 25 bar (water) / PS (p.234)

SYLAX WAFER TYPE - ALU BRONZE DISC

EDPM - General and industrial services

 θ -10°/+90°

Nitrile - Sea water, ship yards

 θ +5°/+85°**ANSI 150 / 20 Bar**

Part Number EDPM (1)	Part Number NITRILE (2)	Kg	DN mm
DUCTILE IRON GGG40 BODY			
149G 039 545	149G 046 135	3,8	40
149G 039 546	149G 046 136	3,3	50
149G 039 547	149G 046 137	2,9	65
149G 039 548	149G 046 138	3,2	80
149G 039 549	149G 046 139	7,2	100
149G 039 570	149G 043 396	7,8	125
149G 044 114	149G 044 657	9,8	150
149G 039 551	149G 046 140	16,5	200

Flange rating ASA 150. PFA 20 bar (water) / PS (p.234)

PN25 / 25 Bar

Part Number EDPM (1)	Kg	DN mm
DUCTILE IRON GGG40 BODY		
149G 039 534	3,8	40
149G 016 808	4,3	50
149G 016 809	4,7	65
149G 021 130	3,4	80
149G 033 106	7,7	100
149G 033 109	9,6	125
149G 033 112	10,3	150

Flange rating PN 25. PFA 25 bar (water) / PS (p.234)

SYLAX LUG TYPE - ALU BRONZE DISC

EDPM - General and industrial services

θ -10°/+90°

Nitrile - Sea water, ship yards

θ +5°/+85°



ANSI 150 / 20 Bar

Part Number EDPM (1)	Part Number NITRILE (2)	Kg	DN mm
DUCTILE IRON GGG40 BODY			
149G 039 560		2,6	32
149G 039 561	149G 046 167	3,7	40
149G 039 562	149G 046 168	3,8	50
149G 039 563	149G 046 169	4,3	65
149G 039 564	149G 046 170	3,9	80
149G 062 814	149G 046 171	8,2	100
149G 039 571	149G 058 929	9,0	125
149G 039 566	149G 046 173	9,9	150
149G 039 567	149G 046 174	20,6	200

Flange rating ASA 150. PFA 20 bar (water) / PS (p.234)

PN25 / 25 Bar

Part Number EDPM (1)	Kg	DN mm
DUCTILE IRON GGG40 BODY		
149G 039 537	2,6	32
149G 039 538	4,3	40
149G 016 803	3,8	50
149G 016 804	5,8	65
149G 016 805	4,5	80
149G 034 306	8,3	100
149G 034 309	9,0	125
149G 034 312	12,6	150

Flange rating PN 25. PFA 25 bar (water) / PS (p.234)

SYLAX WAFER TYPE - 316 L STAINLESS STEEL DISC

EDPM - Drinking water, general and industrial services

θ -10°/+90°

Nitrile - Sea water, general and industrial services

θ +5°/+85°

**ANSI 150 / 20 Bar**

Part Number EDPM (1)	Part Number NITRILE (2)	Kg	DN mm
DUCTILE IRON GGG40 BODY			
149G 045 545	149G 046 119	2,9	40
149G 038 570	149G 046 120	3,3	50
149G 085 477	149G 046 121	3,7	65
149G 045 550	149G 046 122	3,2	80
149G 028 535	149G 046 123	7,5	100
149G 044 406	149G 046 124	8,0	125
149G 045 552	149G 046 125	10,4	150
149G 045 553	149G 046 126	17,0	200

Flange rating ASA 150. PFA 20 bar (water) / PS (p.234)

PN25 / 25 Bar

Part Number EDPM (1)	Kg	DN mm
DUCTILE IRON GGG40 BODY		
149G 045 554	2,9	40
149G 045 555	4,3	50
149G 045 556	4,7	65
149G 016 813	4,2	80
149G 027 934	8,2	100
149G 045 557	9,6	125
149G 044 395	10,2	150

Flange rating PN 25. PFA 25 bar (water) / PS (p.234)

SYLAX LUG TYPE - 316 L STAINLESS STEEL DISC

EDPM - Drinking water, general and industrial services

θ -10°/+90°

Nitrile - Sea water, general and industrial services

θ +5°/+85°



ANSI 150 / 20 Bar

Part Number EDPM (1)	Part Number NITRILE (2)	Kg	DN mm
DUCTILE IRON GGG40 BODY			
149G 048 642		2,6	32
149G 045 558	149G 046 159	2,9	40
149G 045 559	149G 046 160	3,8	50
149G 045 560	149G 046 161	4,2	65
149G 045 561	149G 046 162	3,9	80
149G 045 562	149G 046 163	8,5	100
149G 045 563	149G 046 164	10,3	125
149G 045 564	149G 046 165	12,9	150
149G 045 565	149G 046 166	23,9	200

Flange rating ASA 150. PFA 20 bar (water) / PS (p.234)

PN25 / 25 Bar

Part Number EDPM (1)	Kg	DN mm
DUCTILE IRON GGG40 BODY		
149G 045 566	3,5	32
149G 045 567	3,5	40
149G 045 571	4,1	50
149G 016 079	5,8	65
149G 093 463	7,2	80
149G 045 572	8,8	100
149G 045 573	11,5	125
149G 045 574	12,4	150

Flange rating PN 25. PFA 25 bar (water) / PS (p.234)

Chapter 5.3

Shut Off Valves - Sylax with Manual Gearbox

SYLAX WITH MANUAL GEAR BOX



**MANUAL GEAR BOX
LONGLIFE LUBRICATED
ACTUATED WITH GEAR**



5

SYLAX WAFER TYPE - DUCTILE IRON POLYAMIDE COATED DISC

EPDM - General and industrial services

θ -10°/+120° with CAST IRON GG25 body

θ -15°/+120° with DUCTILE IRON GGG40 body

Nitrile - General and industrial services, untreated water

θ +5°/+85°



Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
CAST IRON GG25 BODY			
149G079086	149G080005	50	3,6
149G079084	149G080006	65	4,0
149G079085	149G079453	80	4,3
149G079087	149G079730	100	6,3
149G079088	149G079960	125	7,4
149G079089	149G079341	150	8,5
149G079076	149G079404	200	16,5
149G079915	149G079961 (*)	250	22,9
149G079071	149G079962 (*)	300	34,3
149G079075 (*)	149G079516 (*)	350	41,4

Flange rating PN 6/10/16/ASA 150. PFA 16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G080012	149G080013	50	3,6
149G079923	149G080014	65	4,0
149G079839	149G080015	80	4,3
149G079094	149G079602	100	6,2
149G079297	149G079969	125	8,1
149G079095	149G079603	150	8,5
149G079298	149G079370	200	16,3
149G079968	149G079971 (*)	250	22,7
149G079188	149G079335 (*)	300	33,9
149G079207	149G080016	350	40,4

Flange rating PN 6/10/16/ASA 150. PFA 16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

SYLAX LUG TYPE - DUCTILE IRON POLYAMIDE COATED DISC

EPDM - General and industrial services

θ -10°/+120° with CAST IRON GG25 body

θ -15°/+120° with DUCTILE IRON GGG40 body



Nitrile - General and industrial services, untreated water

θ +5°/+85°

Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
CAST IRON GG25 BODY			
149G079925	149G080010	50	4,0
149G080008	149G080011	65	7,6
149G079616	149G079215	80	5,4
149G079124	149G079902	100	7,9
149G079412	149G079170	125	9,9
149G079091	149G079966	150	11,9
149G079077 (*)	149G079168 (*)	200	22,9
149G079965 (*)	149G079433 (*)	250	29,6
149G079147 (*)	149G079967 (*)	300	41,3
149G080007 (*)	149G080009 (*)	350	49,7

Flange rating PN 10/16. PFA 16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar and PN10

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G080019	149G080023	50	4,0
149G080020	149G080024	65	4,5
149G080021	149G080025	80	5,4
149G079327	149G079977	100	7,7
149G079972	149G079978	125	9,9
149G079973	149G079737	150	8,0
149G079974 (*)	149G079486 (*)	200	22,5
149G079975 (*)	149G079540 (*)	250	29,0
149G079787 (*)	149G079371 (*)	300	40,4
149G079295 (*)	149G080026 (*)	350	49,2
149G079288 (***)	149G079454 (***)	200	22,2
149G079976 (***)	149G079980 (**)	250	28,5
149G079343 (***)	149G079981 (**)	300	39,9
149G080022 (***)	149G080027 (***)	350	48,4

Flange rating PN 10/16. PFA 16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar and PN10

** PFA = PS maxi = 10 bar and PN16

*** PN16

SYLAX WAFER TYPE - DUCTILE IRON POLYAMIDE COATED DISC**CARBOXYLATED NITRILE - Powdery, abrasive fluids**

θ +5°/+110°



Part Number	DN mm	Kg
CAST IRON GG25 BODY		
149G080028	50	3,6
149G080029	65	4,1
149G080030	80	4,3
149G079893	100	7,9
149G079982	125	9,0
149G079983	150	10,1
149G079963 (*)	200	16,6
149G079656 (*)	250	25,4
149G079984 (*)	300	34,8
149G080031 (*)	350	45,8

Flange rating PN 6/10/16/ASA 150 PFA 10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar

Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G080037	50	3,6
149G080039	65	4,1
149G080036	80	4,3
149G079994	100	7,7
149G079953	125	9,6
149G079996	150	10,1
149G079995 (*)	200	16,3
149G079997 (*)	250	25,1
149G079993 (*)	300	34,4
149G080038 (*)	350	44,8

Flange rating PN 6/10/16/ASA 150 PFA 10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar

SYLAX LUG TYPE - DUCTILE IRON POLYAMIDE COATED DISC

CARBOXYLATED NITRILE - Powdery, abrasive fluids

θ +5°/+110°



Part Number	DN mm	Kg
CAST IRON GG25 BODY		
149G080032	50	4,0
149G080033	65	4,6
149G080034	80	5,4
149G079954	100	9,4
149G079955	125	11,5
149G079956	150	11,9
149G079957 (*)	200	22,9
149G079958 (*)	250	32,0
149G079959 (*)	300	41,7
149G080035 (*)	350	54,0

Flange rating PN 10/16. PFA 10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar and PN10

Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G080040	50	4,0
149G080041	65	4,5
149G080042	80	5,5
149G079952	100	9,3
149G079985	125	11,5
149G079992	150	9,7
149G079989 (*)	200	22,6
149G079990 (*)	250	31,4
149G079991 (*)	300	40,9
149G080044 (*)	350	53,6
149G079986 (**)	200	22,3
149G079987 (**)	250	31,4
149G079988 (**)	300	40,9
149G080043 (**)	350	52,6

Flange rating PN 10/16. PFA 10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar and PN10

** PFA = PS maxi = 6 bar and PN16

SYLAX WAFER TYPE - DUCTILE IRON EPOXY COATED DISC**EPDM - Drinking water**

θ -10°/+90° with CAST IRON GG25 body

θ -15°/+90° with DUCTILE IRON GGG40 body

NITRILE - Untreated water

θ +5°/+85°



Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
CAST IRON GG25 BODY			
149G079907	149G080104	50	3,6
149G079663	149G080105	65	4,0
149G079204	149G080106	80	4,3
149G079724	149G080070	100	6,3
149G079304	149G080071	125	7,4
149G079097	149G080072	150	8,5
149G079305	149G079489	200	16,5
149G080058	149G079050 (*)	250	22,9
149G079205	149G080073 (*)	300	34,3
149G079140 (*)	149G080074	350	41,4

Flange rating PN 6/10/16/ASA 150. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G080113	149G080117	50	3,6
149G080114	149G080118	65	4,1
149G080115	149G080119	80	4,3
149G079944	149G080082	100	6,3
149G080049	149G080083	125	8,1
149G080050	149G080084	150	10,1
149G079466	149G080085	200	16,3
149G080051	149G080086 (*)	250	22,7
149G079145	149G080087 (*)	300	33,9
149G079146	149G080052	350	40,5

Flange rating PN 6/10/16/ASA 150. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

SYLAX WAFER TYPE - DUCTILE IRON EPOXY COATED DISC (Continued)

EPDM - Drinking water

θ -10°/+90° with CAST IRON GG25 body

θ -15°/+90° with DUCTILE IRON GGG40 body

NITRILE - Untreated water

θ +5°/+85°



Part Number EDPM (5)	Part Number NITRILE (6)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G073186	149G082440	400	71,2
149G073187	149G073189	450	89,0
149G073188	149G073190	500	113,0
149G082453	149G082502	600	174,3
149G082362	149G082364	700	251,6
149G082363	149G082365	800	296,6
149G065431	149G065440	900	497,0
149G065432	149G082545	1000	556,0

Flange rating PN 10. PFA 10/16 bar (water) / PS (p.234)

Part Number EDPM (7)	Part Number NITRILE (8)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082327	149G082443	400	71,2
149G073192	149G073194	450	89,0
149G070889	149G073195	500	113,0
149G082454	149G082456	600	174,3
149G081136	149G082366	700	251,6
149G079805	149G085327	800	296,6
149G065448	149G065456	900	501,0
149G065449	149G082546	1000	556,0

Flange rating PN 16. PFA 10/16 bar (water) / PS (p.234)

SYLAX LUG TYPE - DUCTILE IRON EPOXY COATED DISC**EPDM - Drinking water**

θ -10°/+90° with CAST IRON GG25 body

θ -15°/+90° with DUCTILE IRON GGG40 body

NITRILE - Untreated water

θ +5°/+85°



Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
CAST IRON GG25 BODY			
149G080107	149G080110	50	4,0
149G080108	149G080111	65	4,5
149G079280	149G080112	80	5,4
149G080059	149G080075	100	7,8
149G080060	149G080076	125	9,9
149G079279	149G080077	150	10,3
149G079153 (*)	149G080078 (*)	200	22,9
149G080061 (*)	149G080079 (*)	250	29,6
149G079344 (*)	149G080080 (*)	300	41,2
149G080109 (*)	149G080081	350	49,6

Flange rating PN 10/16. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar and PN10

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G080122	149G080125	50	4,0
149G080123	149G080126	65	4,4
149G080124	149G080127	80	5,4
149G080045	149G080092	100	7,7
149G080046	149G080093	125	9,9
149G080047	149G080094	150	8,0
149G080055 (*)	149G080089 (*)	200	22,5
149G080056 (*)	149G080090 (*)	250	28,9
149G080057 (*)	149G080091 (*)	300	40,4
149G080103 (*)	149G080088	350	49,2

Flange rating PN 10/16. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar and PN10

SYLAX LUG TYPE - DUCTILE IRON EPOXY COATED DISC (Continued)

EPDM - Drinking water

θ -10°/+90° with CAST IRON GG25 body

θ -15°/+90° with DUCTILE IRON GGG40 body

NITRILE - Untreated water

θ +5°/+85°



Part Number EDPM (5)	Part Number NITRILE (6)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G079184	149G080095	200	22,2
149G080048	149G080096 (**)	250	28,5
149G080054	149G080097 (**)	300	39,9
149G080128	149G080053	350	48,4

Flange rating PN16. PFA 10/16 bar (water) / PS (p.234)

** PFA = PS maxi = 10 bar and PN16

Part Number EDPM (7)	Part Number NITRILE (8)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082444	149G082445	400	90,6
149G073197	149G073200	450	115,0
149G073198	149G073201	500	159,0
149G082420	149G082422	600	186,0

Flange rating PN10. PFA 10/16 bar (water) / PS (p.234)

Part Number EDPM (9)	Part Number NITRILE (10)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082446	149G082447	400	90,6
149G073202	149G073205	450	115,0
149G073203	149G073206	500	160,0
149G082421	149G082423	600	186,0

Flange rating PN16. PFA 10/16 bar (water) / PS (p.234)

SYLAX DOUBLE FLANGED - DUCTILE IRON EPOXY COATED DISC (Continued)**EPDM - Drinking water**

θ -10°/+90° with CAST IRON GG25 body

θ -15°/+90° with DUCTILE IRON GGG40 body

NITRILE - Untreated water

θ +5°/+85°



Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G079684	149G079799	150	8,5
149G079328	149G080099	200	20,8
149G079898	149G080100 (*)	250	30,7
149G079123	149G080101 (*)	300	49,6
149G079142 (*)	149G080102 (*)	350	63,1
149G079284 (**)	149G080098 (**)	350	62,9

Flange rating PN10/16. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar and PN10

** PN16

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082448	149G082449	400	95,6
149G073207	149G073209	450	111,0
149G071106	149G073210	500	155,0
149G082458	149G082505	600	227,0
149G082368	149G082369	700	318,0
149G081961	149G082370	800	434,0
149G065476	149G065485	900	610,0
149G065477	149G082547	1000	725,0
149G061911	149G061913	1200	1037,5

Flange rating PN10. PFA 10/16 bar (water) / PS (p.234)

Part Number EDPM (5)	Part Number NITRILE (6)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082328	149G082450	400	95,6
149G073211	149G073213	450	111,0
149G072882	149G073214	500	152,0
149G082459	149G082509	600	227,0
149G081137	149G082372	700	318,0
149G082371	149G082373	800	434,0
149G065494	149G065503	900	608,0
149G065495	149G082550	1000	718,0
149G061912	149G061914	1200	1037,5

Flange rating PN16. PFA 10/16 bar (water) / PS (p.234)

SYLAX WAFER TYPE - 316 STAINLESS STEEL DISC

EPDM - Drinking water, general services and industrial processes, swimming pool water

θ -10°/+120° with CAST IRON GG25 body

θ -15°/+120° with DUCTILE IRON GGG40 body

NITRILE - General services and industrial processes, hydrocarbons

θ +5°/+85°



Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
CAST IRON GG25 BODY			
149G079901 (*)	149G080168 (*)	25	2,8
149G079008	149G080165	32/40	2,9
149G079037	149G079723	50	3,6
149G079411	149G080166	65	4,0
149G079082	149G080167	80	4,3
149G079090	149G079006	100	6,3
149G079014	149G079005	125	7,7
149G079013	149G080131	150	8,9
149G079134	149G079447	200	16,5
149G080130	149G080132 (*)	250	23,2
149G079120	149G079121 (*)	300	35,2
149G079074 (*)	149G080188 (*)	350	42,1

Flange rating PN 6/10/16/ASA 150. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G080175	149G080176	32/40	3,2
149G079065	149G080177	50	3,6
149G079400	149G080178	65	4,0
149G079334	149G080179	80	4,3
149G080139	149G079039	100	6,1
149G079096	149G080140	125	8,3
149G079311	149G079470	150	8,9
149G079080	149G079099	200	16,3
149G079562	149G080141 (*)	250	23,0
149G079122	149G080142 (*)	300	34,8
149G079906	149G080190	350	41,1

Flange rating PN 6/10/16/ASA 150. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

SYLAX WAFER TYPE - 316 STAINLESS STEEL DISC (continued)**EPDM - Drinking water, general services and industrial processes, swimming pool water**

θ -10°/+120° with CAST IRON GG25 body

θ -15°/+120° with DUCTILE IRON GGG40 body

NITRILE - General services and industrial processes, hydrocarbons

θ +5°/+85°



Part Number EDPM (5)	Part Number NITRILE (6)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082462	149G082465	400	71,2
149G073229	149G073231	450	89,0
149G070632	149G073232	500	116,0
149G079240	149G082516	600	174,3
149G082273	149G082374	700	251,6
149G082151	149G082375	800	296,6
149G065646	149G065654	900	519,0
149G065647	149G082561	1000	582,0

Flange rating PN 10. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

Part Number EDPM (7)	Part Number NITRILE (8)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082467	149G082468	400	71,2
149G073233	149G073235	450	89,0
149G071143	149G073236	500	116,0
149G082460	149G082521	600	174,3
149G079446	149G082376	700	251,6
149G079804	149G082377	800	296,6
149G065662	149G065670	900	521,0
149G065663	149G082562	1000	589,0

Flange rating PN 16. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

SYLAX LUG TYPE - 316 STAINLESS STEEL DISC

EPDM - Drinking water, general services and industrial processes, swimming pool water

θ -10°/+120° with CAST IRON GG25 body

θ -15°/+120° with DUCTILE IRON GGG40 body

NITRILE - General services and industrial processes, hydrocarbons

θ +5°/+85°



Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
CAST IRON GG25 BODY			
149G079028	149G080173	50	4,0
149G080170	149G080174	65	4,5
149G079083	149G079167	80	5,4
149G079092	149G080134	100	7,8
149G079720	149G080135	125	10,1
149G079093	149G079780	150	10,7
149G079079 (*)	149G080136 (*)	200	22,9
149G080133 (*)	149G080137 (*)	250	29,9
149G079365 (*)	149G080138 (*)	300	42,1
149G079664 (*)	149G080189 (*)	350	50,3

Flange rating PN 10. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar and PN10

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G080182	149G080183	32	3,5
149G079643	149G080184	40	3,5
149G079357	149G080185	50	4,0
149G079156	149G080186	65	4,5
149G079578	149G080187	80	5,4
149G079137	149G080144	100	7,7
149G079367	149G080145	125	10,1
149G079358	149G091923	150	8,4
149G079359 (*)	149G080147 (*)	200	22,6
149G080143 (*)	149G080148 (*)	250	29,3
149G079678 (*)	149G080149 (*)	300	41,3
149G079677 (*)	149G080191 (*)	350	49,9

Flange rating PN 10/16. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar and PN10

SYLAX LUG TYPE - 316 STAINLESS STEEL DISC (continued)

EPDM - Drinking water, general services and industrial processes, swimming pool water

θ -10°/+120° with CAST IRON GG25 body

θ -15°/+120° with DUCTILE IRON GGG40 body

NITRILE - General services and industrial processes, hydrocarbons

θ +5°/+85°



Part Number EDPM (5)	Part Number NITRILE (6)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G079423	149G080150	200	22,3
149G079473	149G080151 (**)	250	28,8
149G079472	149G080152 (**)	300	40,8
149G080192	149G080193	350	49,1

Flange rating PN 16. PFA 10/16 bar (water) / PS (p.234)

** PFA = PS maxi = 10 bar and PN16

Part Number EDPM (7)	Part Number NITRILE (8)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082469	149G082470	400	90,6
149G073237	149G073240	450	115,0
149G073238	149G073241	500	166,0
149G082424	149G082426	600	186,0

Flange rating PN 10. PFA 10/16 bar (water) / PS (p.234)

Part Number EDPM (9)	Part Number NITRILE (10)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082471	149G082472	400	90,6
149G073242	149G073245	450	115,0
149G073243	149G073246	500	162,0
149G082425	149G082427	600	186,0

Flange rating PN 16. PFA 10/16 bar (water) / PS (p.234)

SYLAX DOUBLE FLANGED - 316 STAINLESS STEEL DISC

EPDM - Drinking water, general services and industrial processes, swimming pool water

θ -10°/+120° with CAST IRON GG25 body

θ -15°/+120° with DUCTILE IRON GGG40 body

NITRILE - General services and industrial processes, hydrocarbons

θ +5°/+85°



Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G079458	149G080194	150	8,9
149G079081	149G079796	200	20,8
149G097476	149G080162	250	31,0
149G097474	149G080163	300	50,6
149G079320 (*)	149G080164 (*)	350	63,8
149G080161 (**)	149G080160 (**)	350	63,6

Flange rating PN 10/16. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar and PN10

** PN16

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082476	149G082477	400	95,6
149G073247	149G073249	450	111,0
149G070498	149G073250	500	158,0
149G079366	149G082463	600	227,0
149G082378	149G082380	700	318,0
149G082379	149G082381	800	434,0
149G065703	149G065711	900	627,0
149G065704	149G082563	1000	746,0
149G065972	149G065372	1200	1037,5

Flange rating PN 10. PFA 10/16 bar (water) / PS (p.234)

Part Number EDPM (5)	Part Number NITRILE (6)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082479	149G082495	400	95,6
149G073251	149G073254	450	111,0
149G073252	149G073255	500	156,0
149G082125	149G081546	600	227,0
149G082119	149G082382	700	318,0
149G079803	149G082383	800	434,0
149G065719	149G065727	900	625,0
149G065720	149G082564	1000	744,0
149G065973	149G065373	1200	1037,5

Flange rating PN 16. PFA 10/16 bar (water) / PS (p.234)

SYLAX WAFER TYPE - 316 STAINLESS STEEL DISC**SILICONE** - Air or dry hot gas, ice-cold water, industrial processes

θ -10°/+200° with CAST IRON GG25 body

θ - 25°/+200° with DUCTILE IRON GGG40 body

FKM - Industrial fluids, acids, bases, hydrocarbons

θ +5°/+180°

Whilst FKM and Silicone have high temperature thresholds, these materials are not recommended for use on WET DUTY at high temperature. DRY duties only recommended at high temperature thresholds. Not for use on hot water.



Part Number SILICONE (1)	Kg	Part Number FKM (2)	Kg	DN mm
CAST IRON GG25 BODY				
149G080235	1,1	-	-	32/40
149G080236	3,6	-	-	50
149G080237	2,7	149G080239	4,2	65
149G080238	4,3	149G080240	4,4	80
149G080213	6,3	149G079812	6,4	100
149G080214	9,4	149G080210	9,3	125
149G080215	10,5	149G080211	10,8	150
149G079418 (*)	16,7	149G079406	16,9	200
149G080216 (*)	24,0	149G080212	23,7	250
149G080217 (*)	30,2	149G079776	36,4	300
149G080266 (*)	42,4	149G080267	43,3	350

Flange rating PN 6/10/16/ASA 150. PFA 6/10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar

Part Number SILICONE (3)	Kg	Part Number FKM (4)	Kg	DN mm
DUCTILE IRON GGG40 BODY				
149G080249	3,2	149G080252	3,3	32/40
149G080250	3,6	149G080253	4,2	50
149G080251	4,1	149G079100	4,2	65
149G080265	4,3	149G080254	4,4	80
149G079314	6,1	149G079040	6,3	100
149G080203	10,0	149G080201	9,9	125
149G080204	10,5	149G079583	10,8	150
149G079313 (*)	16,5	149G079238	16,7	200
149G080205 (*)	22,9	149G080234	23,5	250
149G080206 (*)	35,4	149G080202	35,9	300
149G080270 (*)	42,5	149G080271	42,8	350

Flange rating PN 6/10/16/ASA 150. PFA 6/10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar

SYLAX WAFER TYPE - 316 STAINLESS STEEL DISC (Continued)

SILICONE - Air or dry hot gas, ice-cold water, industrial processes

θ -10°/+200° with CAST IRON GG25 body

θ - 25°/+200° with DUCTILE IRON GGG40 body

FKM - Industrial fluids, acids, bases, hydrocarbons

θ +5°/+180°

Whilst FKM and Silicone have high temperature thresholds, these materials are not recommended for use on WET DUTY at high temperature. DRY duties only recommended at high temperature thresholds. Not for use on hot water.



Part Number SILICONE (5)	Kg	Part Number FKM (6)	Kg	DN mm
DUCTILE IRON GGG40 BODY				
149G082518 (*)	71,0	149G082523	77,0	400
149G073273 (*)	91,8	149G073276	98,5	450
149G073274 (*)	120,0	149G073277	126,0	500
149G082466 (*)	170,0	149G082534	194,0	600
149G082411 (*)	330,0	149G082580	373,8	700
149G082412 (*)	575,8	149G082581	580,9	800
149G065757 (*)	622,7	149G082555	622,7	900
149G065758 (*)	711,0	149G082565	711,0	1000

Flange rating PN 10. PFA 6/10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar

Part Number SILICONE (7)	Kg	Part Number FKM (8)	Kg	DN mm
DUCTILE IRON GGG40 BODY				
149G073279 (*)	91,6	149G073280	98,3	450
149G073278 (*)	120,0	149G073281	126,0	500
149G082533 (*)	170,0	149G082535	194,0	600
149G082413 (*)	329,6	149G082582	373,4	700
149G082414 (*)	575,2	149G082583	580,3	800
149G065772 (*)	621,4	149G065779	621,4	900
149G065773 (*)	705,0	149G082566	705,0	1000

Flange rating PN 16. PFA 6/10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar

SYLAX LUG TYPE - 316 STAINLESS STEEL DISC**SILICONE** - Air or dry hot gas, ice-cold water, industrial processes

θ -10°/+200° with CAST IRON GG25 body

θ - 25°/+200° with DUCTILE IRON GGG40 body

FKM - Industrial fluids, acids, bases, hydrocarbons

θ +5°/+180°

Whilst FKM and Silicone have high temperature thresholds, these materials are not recommended for use on WET DUTY at high temperature. DRY duties only recommended at high temperature thresholds. Not for use on hot water.



Part Number SILICONE (1)	Kg	Part Number FKM (2)	Kg	DN mm
CAST IRON GG25 BODY				
149G080243	4,1	149G080246	4,1	50
149G080244	4,6	149G080247	4,7	65
149G080245	5,4	149G080248	5,5	80
149G080195	7,8	149G080233	7,9	100
149G080196	11,9	149G080207	11,8	125
149G080197	12,3	149G080208	12,6	150
149G080198 (*)	23,0	149G080209 (***)	23,2	200
149G080199 (*)	29,8	149G040135 (***)	35,6	250
149G080200 (*)	42,7	149G040136 (***)	50,8	300
149G080268 (*)	49,8	149G080269 (***)	51,6	350

Flange rating PN 6/10/16/ASA 150. PFA 6/10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar and PN10

** PFA = PS maxi = 6 bar

*** PN10

Part Number SILICONE (3)	Kg	Part Number FKM (4)	Kg	DN mm
DUCTILE IRON GGG40 BODY				
149G080255	3,5	149G080260	3,6	32
149G080256	3,5	149G080261	3,6	40
149G080257	4,0	149G080262	3,9	50
149G080258	4,6	149G080263	4,6	65
149G080259	5,4	149G080264	5,5	80
149G080218	7,7	149G080227	7,9	100
149G080219	11,9	149G080228	11,7	125
149G080220	10,0	149G080229	10,4	150
149G080221 (*)	22,7	149G079862 (***)	23,0	200
149G080222 (*)	29,2	149G080230 (***)	29,8	250
149G080223 (*)	41,9	149G46611 (***)	50,0	300
149G080272 (*)	50,3	149G080273 (***)	51,2	350

Flange rating PN 10/16. PFA 6/10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar and PN10

** PFA = PS maxi = 6 bar

*** PN10

SYLAX LUG TYPE - 316 STAINLESS STEEL DISC (Continued)

SILICONE - Air or dry hot gas, ice-cold water, industrial processes

θ -10°/+200° with CAST IRON GG25 body

θ - 25°/+200° with DUCTILE IRON GGG40 body

FKM - Industrial fluids, acids, bases, hydrocarbons

θ +5°/+180°

Whilst FKM and Silicone have high temperature thresholds, these materials are not recommended for use on WET DUTY at high temperature. DRY duties only recommended at high temperature thresholds. Not for use on hot water.



Part Number SILICONE (5)	Kg	Part Number FKM (6)	Kg	DN mm
DUCTILE IRON GGG40 BODY				
149G080224 (**)	22,4	149G080231	22,6	200
149G080225 (**)	28,8	149G080232	29,3	250
149G080226 (**)	41,4	149G46615	49,4	300
149G080274 (**)	49,5	149G080275	50,4	350

Flange rating PN 16. PFA 6/10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar and PN10

** PFA = PS maxi = 6 bar

*** PN10

Part Number SILICONE (6)	Kg	Part Number FKM (7)	Kg	DN mm
DUCTILE IRON GGG40 BODY				
149G082530 (*)	95,0	149G082524	100,0	400
149G073283 (*)	120,4	149G073286	126,8	450
149G073282 (*)	159,0	149G073287	165,0	500
149G082441 (*)	250,0	149G082541	273,0	600

Flange rating PN 10. PFA 6/10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar and PN10

** PFA = PS maxi = 6 bar

*** PN10

Part Number SILICONE (6)	Kg	Part Number FKM (7)	Kg	DN mm
DUCTILE IRON GGG40 BODY				
149G082528 (1)	95,0	149G082526	100,0	400
149G073289 (1)	118,5	149G073292	125,3	450
149G073290 (1)	159,0	149G073293	165,0	500
149G082442 (1)	246,0	149G082544	270,0	600

Flange rating PN 16. PFA 6/10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar and PN10

** PFA = PS maxi = 6 bar

*** PN10

SYLAX WAFER TYPE - ALU BRONZE DISC**EDPM - General and industrial services, swimming pool water**

θ - 10°/+120° with CAST IRON GG25 body

θ -15°/+120° with DUCTILE IRON GGG40 body

Nitrile - Sea water, ship yards

θ +5°/+85°



Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
CAST IRON GG25 BODY			
149G080336	149G080340	32/40	6,5
149G080337	149G080341	50	7,7
149G080338	149G080342	65	4,3
149G080339	149G080343	80	4,5
149G080276	149G079471	100	6,3
149G080277	149G080282	125	9,9
149G080278	149G079587	150	10,8
149G079739	149G079912	200	16,3
149G079561	149G079650 (*)	250	22,1
149G080280	149G080283 (*)	300	34,1
149G080281 (*)	149G080284 (*)	350	42,0

Flange rating PN 6/10/16/ASA 150. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G080353	149G080357	32/40	3,5
149G080354	149G080358	50	3,9
149G080355	149G079143	65	4,3
149G080356	149G080359	80	4,5
149G080297	149G080304	100	6,2
149G080298	149G079133	125	8,1
149G080299	149G079732	150	8,6
149G080300	149G079909	200	16,1
149G079078	149G080305 (1)	250	21,9
149G080302	149G079895 (1)	300	33,6
149G080303	149G080360	350	41,1

Flange rating PN 10. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

SYLAX WAFER TYPE - ALU BRONZE DISC (continued)

EDPM - General and industrial services, swimming pool water

θ - 10°/+120° with CAST IRON GG25 body

θ -15°/+120° with DUCTILE IRON GGG40 body

Nitrile - Sea water, ship yards

θ +5°/+85°



Part Number EDPM (5)	Part Number NITRILE (6)	DN mm	Kg
CAST IRON GG25 BODY			
149G082496	149G082498	400	71,2
149G073310	149G073313	450	89,0
149G073311	149G073314	500	117,0
149G082497	149G082525	600	174,3
149G082473	149G082475	700	251,6
149G082474	149G082478	800	296,6
149G065537	149G065545	900	521,0
149G065538	149G082569	1000	579,0

Flange rating PN 10. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

Part Number EDPM (7)	Part Number NITRILE (8)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082499	149G082500	400	71,2
149G093464	149G073320	450	89,0
149G073318	149G073321	500	117,0
149G082527	149G082529	600	174,3
149G082480	149G082015	700	251,6
149G082481	149G082482	800	296,6
149G065553	149G065561	900	520,0
149G065554	149G082570	1000	579,0

Flange rating PN16. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

SYLAX LUG TYPE - ALU BRONZE DISC**EDPM - General and industrial services, swimming pool water**

θ - 10°/+120° with CAST IRON GG25 body

θ -15°/+120° with DUCTILE IRON GGG40 body

Nitrile - Sea water, ship yards

θ +5°/+85°



Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
CAST IRON GG25 BODY			
149G080346	149G080351	50	4,3
149G080347	149G080352	65	4,8
149G080348	149G079681	80	5,7
149G080285	149G080292	100	7,9
149G080286	149G080293	125	10,0
149G080287	149G41668	150	10,4
149G080288 (*)	149G079680 (*)	200	22,7
149G080289 (*)	149G080294 (*)	250	28,9
149G080290 (*)	149G080295 (*)	300	41,0
149G080291 (*)	149G080296 (*)	350	50,3

Flange rating PN10. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar and PN10

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G080363	149G079831	32	3,8
149G080364	149G079386	40	3,8
149G080365	149G080368	50	4,3
149G080366	149G080369	65	4,7
149G080367	149G080370	80	5,7
149G080314	149G079235	100	7,8
149G080315	149G079317	125	10,0
149G079218	149G079708	150	8,1
149G080316 (*)	149G079234 (*)	200	22,4
149G080372 (*)	149G079233 (*)	250	28,2
149G080317 (*)	149G080318 (*)	300	40,1
149G079375 (*)	149G080371 (*)	350	49,9

Flange rating PN10/16. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

SYLAX LUG TYPE - ALU BRONZE DISC (continued)

EDPM - General and industrial services, swimming pool water

θ - 10°/+120° with CAST IRON GG25 body

θ - 15°/+120° with DUCTILE IRON GGG40 body

Nitrile - Sea water, ship yards

θ +5°/+85°



Part Number EDPM (5)	Part Number NITRILE (6)	DN mm	Kg
CAST IRON GG25 BODY			
149G080319	149G080323	200	22,1
149G080320	149G080324 (**)	250	27,8
149G080321	149G080325 (**)	300	39,6
149G080322	149G080326	350	49,1

Flange rating PN16. PFA 10/16 bar (water) / PS (p.234)

** PFA = PS maxi = 10 bar and PN16

Part Number EDPM (7)	Part Number NITRILE (8)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082503	149G082504	400	90,6
149G073323	149G073325	450	115,0
149G073324	149G073326	500	161,0
149G082483	149G082485	600	186,0

Flange rating PN10. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

Part Number EDPM (7)	Part Number NITRILE (8)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082506	149G082508	400	90,6
149G073329	149G073332	450	115,0
149G073330	149G073333	500	162,0
149G082484	149G082486	600	186,0

Flange rating PN16. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

SYLAX DOUBLE FLANGED - ALU BRONZE DISC**EDPM - General and industrial services, swimming pool water**

θ - 10°/+120° with CAST IRON GG25 body

θ -15°/+120° with DUCTILE IRON GGG40 body

Nitrile - Sea water, ship yards

θ +5°/+85°



Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G080373	149G080374	150	8,6
149G080327	149G080332	200	20,7
149G080328	149G079490 (*)	250	30,0
149G080329	149G080333 (*)	300	49,4
149G080331 (*)	149G080335 (*)	350	63,8
149G080330 (**)	149G080334 (**)	350	63,6

Flange rating PN10/16. PFA 10/16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar and PN10

** PN16

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082510	149G082512	400	95,6
149G073335	149G066734	450	111,0
149G073336	149G081720	500	158,0
149G082553	149G082554	600	227,0
149G082487	149G082489	700	318,0
149G082488	149G082490	800	434,0
149G065586	149G065594	900	627,0
149G065587	149G082577	1000	745,0
149G065974	149G065402	1200	1037,5

Flange rating PN10. PFA 10/16 bar (water) / PS (p.234)

Part Number EDPM (5)	Part Number NITRILE (6)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G082514	149G082515	400	95,6
149G073340	149G073343	450	111,0
149G073341	149G073344	500	155,0
149G082551	149G082552	600	227,0
149G082491	149G082493	700	318,0
149G082492	149G082494	800	434,0
149G065602	149G065610	900	622,0
149G065603	149G082578	1000	741,0
149G065975	149G065403	1200	1037,5

Flange rating PN16. PFA 10/16 bar (water) / PS (p.234)

SYLAX WAFER TYPE - 316 STAINLESS STEEL DISC

CARBOXYLATED NITRILE - Powdery, abrasive fluids

θ +5°/+110°



Part Number (1)	Kg	DN mm
CAST IRON GG25 BODY		
149G080475	2,9	40
149G080476	3,6	50
149G080477	4,1	65
149G080474	4,3	80
149G080457	7,9	100
149G080458	9,2	125
149G080459	10,5	150
149G080460 (*)	16,6	200
149G080461 (*)	25,7	250
149G080389 (*)	35,7	300

Flange rating PN 6/10/16/ASA 150. PFA 10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar

Part Number (2)	Kg	DN mm
DUCTILE IRON GGG40 BODY		
149G080483	3,2	40
149G080484	3,6	50
149G080485	4,1	65
149G080486	4,3	80
149G080393	7,7	100
149G080394	9,9	125
149G080395	10,5	150
149G080396 (*)	11,0	200
149G080397 (*)	25,4	250
149G080398 (*)	35,3	300

Flange rating PN 6/10/16/ASA 150. PFA 10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar

SYLAX LUG TYPE - 316 STAINLESS STEEL DISC**CARBOXYLATED NITRILE - Powdery, abrasive fluids**

θ +5°/+110°



Part Number (3)	Kg	DN mm
CAST IRON GG25 BODY		
149G080481	4,0	50
149G080482	4,6	65
149G080478	5,4	80
149G080462	9,4	100
149G080463	11,7	125
149G080464	12,3	150
149G080465 (*)	22,9	200
149G080427 (*)	32,3	250
149G080466 (*)	42,6	300

Flange rating PN 10/16. PFA 10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar and PN10

Part Number (4)	Kg	DN mm
DUCTILE IRON GGG40 BODY		
149G080487	3,5	32
149G080488	3,5	40
149G080489	4,0	50
149G080490	4,5	65
149G080491	5,5	80
149G080456	9,3	100
149G080467	11,7	125
149G080454	10,1	150
149G080468 (**)	22,3	200
149G080469 (**)	31,3	250
149G080470 (**)	41,3	300
149G080471 (*)	22,6	200
149G080472 (*)	31,7	250
149G080473 (*)	41,8	300

Flange rating PN 10/16. PFA 10 bar (water) / PS (p.234)

* PFA = PS maxi = 6 bar and PN10

** PFA = PS maxi = 6 bar and PN16

SYLAX WAFER TYPE - 316 STAINLESS STEEL DISC

EPDM - Drinking water, general and industrial services, swimming pool water

θ -15°/110°

NITRILE - General services and industrial processes, hydrocarbons

θ +5°/85°



Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
STEEL BODY			
149G080540	149G080541	32/40	2,5
149G080537	149G080542	50	3,2
149G080538	149G080543	65	3,6
149G080539	149G080544	80	3,9
149G080428	149G080434	100	5,6
149G080429	149G080435	125	6,8
149G080430	149G080436	150	8,0
149G080431	149G080437	200	14,9
149G080432	149G080438 (*)	250	20,8
149G080433	149G080439 (*)	300	31,2

Flange rating PN10/16. PFA 16 bar (water) / PS (p.234)

* PFA = PS maxi = 10 bar

Part Number EDPM (3)	Part Number NITRILE (4)	DN mm	Kg
STAINLESS STEEL BODY			
149G080545	149G080549	32/40	2,9
149G080546	149G080550	50	3,7
149G080547	149G080551	65	4,1
149G080548	149G080552	80	4,5
149G080404	149G080410	100	6,5
149G080405	149G080411	125	7,9
149G080406	149G080412	150	8,5
149G080407	149G080413	200	16,9
149G080408	149G080414 (*)	250	23,4
149G080409	149G080415 (*)	300	34,6

Flange rating PN10/16. PFA 16 bar (water) / PS (p.234)

* ISO PN10

SYLAX LUG TYPE - 316 STAINLESS STEEL DISC

EPDM - Drinking water, general and industrial services, swimming pool water

θ -15°/110°

NITRILE - General services and industrial processes, hydrocarbons

θ +5°/85°



Part Number EDPM (5)	Part Number NITRILE (6)	DN mm	Kg
STAINLESS STEEL BODY			
149G080553	149G080556	50	1,6
149G080554	149G080557	65	5,1
149G080555	149G080558	80	5,9
149G080416	149G43586	100	2,5
149G43567	149G43587	125	6,6
149G080417	149G43588	150	12,3
149G43569 (***)	149G43589 (***)	200	9,1
149G43570 (***)	149G43590 (**)	250	18,0
149G43571 (***)	149G43591 (**)	300	39,5
149G041715 (*)	149G040184 (*)	200	9,1
149G041716 (*)	149G040185 (*)	250	37,5
149G080455 (*)	149G040186 (*)	300	44,2

Flange rating PN10/16. PFA 16 bar (water) / PS (p.234)

* ISO PN10 and PN10

** ISO PN10

*** ISO PN16

Chapter 5.4

Shut Off Valves - Sylax with Manual Gearbox ANSI 150 and PN25 Valve Options

SYLAX WAFER TYPE - DUCTILE IRON POLYAMIDE COATED DISC

EPDM - General and industrial services

θ $-10^{\circ}/+90^{\circ}$

NITRILE - General and industrial services, untreated water

θ $+5^{\circ}/+85^{\circ}$

ANSI 150 / 20 Bar

Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G080631	149G080673	50	3,6
149G080632	149G080674	65	4,0
149G080633	149G080675	80	4,3
149G080566	149G080578	100	6,1
149G080567	149G080579	125	9,6
149G080568	149G080580	150	10,1
149G080591	149G080597	200	16,3
149G079443		250	25,1
149G080592		300	34,4
149G080599		350	45,0

Flange rating ASA 150. PFA 20 bar (water) / PS (p.234)

PN25 25 Bar

Part Number EDPM (3)	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G079007	50	4,3
149G080637	65	4,0
149G080638	80	7,4
149G080588	100	7,7
149G080589	125	9,0
149G080590	150	9,9

Flange rating PN 25. PFA 20 bar (water) / PS (p.234)



SYLAX LUG TYPE - DUCTILE IRON POLYAMIDE COATED DISC

EPDM - General and industrial services

θ -10°/+90°

NITRILE - General and industrial services, untreated water

θ +5°/+85°



ANSI 150 / 20 Bar

Part Number EDPM (4)	Part Number NITRILE (5)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G080634	149G080678	50	4,0
149G080635	149G080677	65	4,4
149G080636	149G080676	80	4,9
149G080562	149G080593	100	7,7
149G080565	149G080559	125	11,2
149G080563	149G080587	150	12,6
149G048405	149G080560	200	23,4
149G080564	-	250	30,9
149G040216	-	300	47,9

Flange rating ASA 150. PFA 20 bar (water) / PS (p.234)

PN25 25 Bar

Part Number EDPM (6)	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G080639	50	3,9
149G080640	65	5,0
149G079318	80	5,4
149G080573	100	9,1
149G080574	125	11,0
149G080575	150	12,2

Flange rating PN 25. PFA 20 bar (water) / PS (p.234)

SYLAX WAFER TYPE - ALU BRONZE DISC

EPDM - General and industrial services, swimming pool water

θ -10°/+90°

NITRILE - Sea water, ship yards

θ +5°/+85°

**ANSI 150 / 20 Bar**

Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G080641	149G080679	32/40	3,5
149G080642	149G080680	50	3,9
149G080643	149G080681	65	4,3
149G080644	149G080682	80	4,5
149G080606	149G080613	100	6,2
149G080607	149G080614	125	9,7
149G080608	149G080615	150	10,2
149G080609	149G080616	200	16,2
149G080610		250	25,0
149G080611		300	34,1
149G080612		350	45,7

Flange rating ASA 150. PFA 20 bar (water) / PS (p.234)

PN25 25 Bar

Part Number EDPM (3)	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G080650	32/40	4,2
149G085224	50	4,6
149G080652	65	4,3
149G080653	80	4,5
149G079904	100	7,8
149G091976	125	17,3
149G080626	150	10,1

Flange rating PN 25. PFA 25 bar (water) / PS (p.234)

SYLAX LUG TYPE - ALU BRONZE DISC

EPDM - General and industrial services, swimming pool water

θ -10°/+90°

NITRILE - Sea water, ship yards

θ +5°/+85°



ANSI 150 / 20 Bar

Part Number EDPM (4)	Part Number NITRILE (5)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G080649	149G080687	32	3,8
149G080645	149G080683	40	3,8
149G080646	149G080684	50	4,3
149G080647	149G080685	65	4,7
149G080648	149G080686	80	5,1
149G080617	149G080622	100	7,8
149G080618	149G080623	125	11,3
149G080619	149G080624	150	12,7
149G048492	149G080625	200	23,3
149G080620		250	30,8
149G080621		300	40,1

Flange rating ASA 150. PFA 20 bar (water) / PS (p.234)

PN25 25 Bar

Part Number EDPM (6)	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G080654	32	4,5
149G080655	40	4,5
149G080656	50	4,1
149G080657	65	5,3
149G080658	80	5,7
149G080627	100	9,2
149G080628	125	11,0
149G080629	150	12,3

Flange rating PN 25. PFA 25 bar (water) / PS (p.234)

SYLAX WAFER TYPE - 316 L STAINLESS STEEL DISC

EPDM - Drinking water, general services and industrial processes

θ -10°/+90°

NITRILE - Sea water, general services and industrial processes

θ +5°/+85°

**ANSI 150 / 20 Bar**

Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G080659	149G080688	32/40	3,3
149G080660	149G080689	50	3,6
149G080661	149G080690	65	4,1
149G080662	149G080691	80	4,3
149G079421	149G079002	100	6,3
149G080569	149G080571	125	9,8
149G080570	149G080572	150	10,4
149G080584	149G080598	200	16,3
149G080585		250	25,5
149G080586		300	36,9
149G080600		350	45,8

Flange rating ASA 150. PFA 20 bar (water) / PS (p.234)

PN25 25 Bar

Part Number EDPM (3)	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G080668	32/40	3,1
149G080669	50	4,1
149G079287	65	4,1
149G079325	80	4,4
149G080581	100	7,8
149G080582	125	9,2
149G080583	150	10,2

Flange rating PN 25. PFA 25 bar (water) / PS (p.234)

SYLAX LUG TYPE - 316 L STAINLESS STEEL DISC

EPDM - Drinking water, general services and industrial processes

θ -10°/+90°

NITRILE - Sea water, general services and industrial processes

θ +5°/+85°



ANSI 150 / 20 Bar

Part Number EDPM (1)	Part Number NITRILE (2)	DN mm	Kg
DUCTILE IRON GGG40 BODY			
149G080664	149G080692	32	3,6
149G080665	149G080693	40	3,6
149G080666	149G080694	50	4,0
149G080663	149G080695	65	4,5
149G080667	149G080696	80	4,9
149G080601	149G080594	100	7,9
149G080602	149G080595	125	11,4
149G080603	149G080596	150	12,9
149G079876	149G080561	200	22,9
149G080604		250	31,3
149G080605		300	42,9

Flange rating ASA 150. PFA 20 bar (water) / PS (p.234)

PN25 25 Bar

Part Number EDPM (3)	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G080672	32	3,4
149G079642	40	3,4
149G080670	50	3,9
149G080671	65	5,1
149G080630	80	5,5
149G079758	100	9,2
149G080576	125	11,1
149G080577	150	12,5

Flange rating PN 25. PFA 25 bar (water) / PS (p.234)

Chapter 5.5

SYLAX FM/CNPP for sprinkler systems with manual gear box

SYLAX FM/CNPP FOR SPRINKLER SYSTEMS WITH MANUAL GEAR BOX

CNPP AND FM APPROVALS

COMPETITIVE QUALITY AND PRICE RATIO

RELIABILITY

PN16 design pressure butterfly valves dedicated to sprinkler systems, all valves are equipped with chain and padlocks. Limit switches inside gear box are also available.

Factory Mutual approval n° 3029234 date 06/06/2006

On request : tapped lugs body, ALU BRONZE DISCS.

CNPP approval n° YO/AL/12/037 date 02/12/2003

On request : tapped lugs body, alu bronze or stainless steel discs - Version PS 20 bar

SYLAX CNPP WAFER TYPE - DUCTILE IRON POLYAMIDE COATED DISC

EPDM - Sprinkler systems CNPP approval

θ -10°/+110°

With limit switches

Part Number EDPM (1)	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 064 240	32/40	3,2
149G 029 208	50	4,5
149G 029 211	65	4,7
149G 029 214	80	4,8
149G 028 861	100	7,0
149G 029 219	125	8,2
149G 028 862	150	9,1
149G 029 224	200	17,5
149G 029 227	250	21,0
149G 029 230	300	30,3

Flange rating PN 6/10/16/ASA 150 with limit switches . PFA 16 bar (water) / PS (p.234)



SYLAX CNPP WAFER TYPE - DUCTILE IRON POLYAMIDE COATED DISC

EPDM - Sprinkler systems CNPP approval

θ -10°/+110°

Without limit switches



Part Number EDPM (2)	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 060 946	32/40	3,2
149G 029 207	50	4,5
149G 029 210	65	4,7
149G 029 213	80	4,8
149G 029 216	100	7,0
149G 029 218	125	8,2
149G 029 221	150	9,1
149G 029 223	200	17,5
149G 029 226	250	21,0
149G 029 229	300	30,3

Flange rating PN 6/10/16/ASA 150 without limit switches . PFA 16 bar (water) / PS (p.234)

SYLAX FM WAFER TYPE - DUCTILE IRON POLYAMIDE COATED DISC

EPDM - Sprinkler systems FM approval

θ -15°/+110°

With limit switches



Part Number EDPM (3)	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 065 374	50	7,7
149G 065 375	65	8,0
149G 065 376	80	8,4
149G 065 377	100	11,0
149G 065 378	125	11,3
149G 065 379	150	12,4
149G 038 535	200	23,2
149G 038 536	250	28,6
149G 038 537	300	37,3

Flange rating PN 6/10/16/ASA 150 with limit switches . PFA 16 bar (water) / PS (p.234)

Without limit switches



Part Number EDPM (4)	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 065 380	50	7,5
149G 065 381	65	7,9
149G 065 382	80	8,3
149G 065 401	100	10,9
149G 065 383	125	11,2
149G 065 384	150	12,1
149G 044 225	200	23,0
149G 044 226	250	28,4
149G 044 227	300	37,2

Flange rating PN 6/10/16/ASA 150 without limit switches . PFA 16 bar (water) / PS (p.234)

SYLAX FM WAFER TYPE - 316 STAINLESS STEEL DISC

EPDM - Sprinkler systems FM approval

θ -15°/+110°

With limit switches



Part Number EDPM (5)	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 065 385	32/40	8,8
149G 065 386	50	7,7
149G 065 387	65	8,1
149G 065 388	80	8,4
149G 065 389	100	11,0
149G 065 390	125	11,6
149G 065 391	150	12,8
149G 043 788	200	23,2
149G 043 789	250	28,9
149G 043 790	300	30,0

Flange rating PN 6/10/16/ASA 150 with limit switches . PFA 16 bar (water) / PS (p.234)

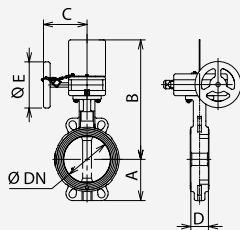
Without limit switches

Part Number EDPM (5)	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 065 392	32/40	8,8
149G 065 393	50	7,5
149G 065 394	65	7,9
149G 065 396	80	8,3
149G 065 398	100	10,9
149G 065 399	125	11,4
149G 065 400	150	12,5
149G 044 234	200	23,1
149G 044 235	250	28,7
149G 044 236	300	29,9

Flange rating PN 6/10/16/ASA 150 without limit switches . PFA 16 bar (water) / PS (p.234)

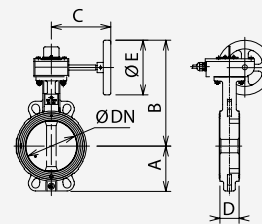
OVERALL DIMENSIONS & TECHNICAL INFORMATION

SYLAX CNPP



DN	A	B	C	D	E	Type
32/40	57	281	118	32	125	232-07 LX
50	62	294	118	43	125	232-07 LX
65	70	303	118	46	125	232-07 LX
80	89	309	118	46	125	232-07 LX
100	106	333	118	52	125	232-07 LX
125	120	348	118	56	125	232-07 LX
150	132	361	118	56	125	232-07 LX
200	164	419	205	60	200	232-10 LX
250	200	444	205	68	200	232-10 LX
300	238	469	205	78	200	232-10 LX

SYLAX FM



DN	A	B	C	D	E	Type
32/40	57	232	168	32	100	150 LX
50	62	238	168	43	100	150 LX
65	70	247	168	46	100	150 LX
80	89	253	168	46	100	150 LX
100	106	277	175	52	120	150 LX
125	120	292	175	56	120	150 LX
150	131	305	175	56	120	150 LX
200	164	386	228	60	200	550 LX
250	200	411,5	228	68	200	550 LX
300	235	461,5	234	78	250	550 LX

Chapter 5.6

Shut Off Valves - SYLAX GAS

SYLAX GAS : BUTTERFLY VALVES FOR GAS APPLICATIONS NF ROB-GAZ / DVGW

ON REQUEST : Range SYLAX GAS PS 8 bar. ALU BRONZE DISCs. Butterfly valves under NF ROB-GAZ approval are limited on temperature from -20°C to +60°C.

Valves also available with full yellow paint finish on the body – contact us for details

SYLAX GAS WAFER TYPE WITH NOTCHED YELLOW HANDLE - DUCTILE IRON POLYAMIDE COATED DISC

NITRILE - Gas applications

θ -20°/+60°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 038 773	50	3,3
149G 032 650	65	3,7
149G 032 652	80	4,7
149G 038 774	100	7,1
149G 032 656	125	7,5
149G 032 658	150	8,5
149G 038 775	200	16,6
149G 038 776	250	23,0

Flange rating PN 6/10/16/ASA 150. PS 6 bar (p.234)

SYLAX GAS LUG TYPE WITH NOTCHED YELLOW HANDLE - DUCTILE IRON POLYAMIDE COATED DISC

NITRILE - Gas applications

θ -20°/+60°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 038 777	50	3,7
149G 032 810	65	5,1
149G 032 812	80	5,8
149G 089 469	100	7,7
149G 032 816	125	9,8
149G 032 818	150	11,0
149G 038 781 (**)	200	23,1
149G 038 782 (**)	250	23,6
149G 038 779 (*)	200	28,1
149G 038 780 (*)	250	28,2

Flange rating PN 10/16. PS 6 bar (p.234)

* PN10

*** PN16

SYLAX GAS WAFER TYPE WITH MANUAL GEAR BOX - DUCTILE IRON POLYAMIDE COATED DISC

NITRILE - Gas applications

θ -20°/+60°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 080 747	50	3,6
149G 080 748	65	4,1
149G 080 749	80	4,3
149G 079 267	100	6,3
149G 080 697	125	9,7
149G 080 698	150	10,1
149G 080 699	200	16,3
149G 080 700	250	22,7
149G 080 701	300	33,9

Flange rating PN 6/10/16/ASA 150. PS 6 bar (p.234)

SYLAX GAS LUG TYPE WITH MANUAL GEAR BOX - DUCTILE IRON POLYAMIDE COATED DISC

NITRILE - Gas applications

θ -20°/+60°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 080753	50	4,0
149G 080754	65	4,5
149G 080755	80	5,4
149G 079846	100	7,9
149G 080713	125	11,5
149G 080714	150	9,7
149G 080715 (*)	200	22,6
149G 080716 (*)	250	29,0
149G 080717 (*)	300	40,4
149G 080718 (**)	200	22,3
149G 080719 (**)	250	28,5
149G 080720 (**)	300	39,9

Flange rating PN 10/16. PS 6 bar (p.234)

* PN10

** PN16

**SYLAX GAS WAFER TYPE WITH NOTCHED YELLOW HANDLE
- 316 STAINLESS STEEL DISC**

NITRILE - Gas applications

θ -20°/+60°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 038 792	32/40	2,9
149G 038 793	50	3,3
149G 038 794	65	3,7
149G 038 795	80	4,0
149G 038 796	100	7,1
149G 038 797	125	7,7
149G 038 798	150	8,5
149G 038 799	200	16,6
149G 038 800	250	23,3

Flange rating PN 6/10/16/ASA 150. PS 6 bar (p.234)

**SYLAX GAS LUG TYPE WITH NOTCHED YELLOW HANDLE
- 316 STAINLESS STEEL DISC**

NITRILE - Gas applications

θ -20°/+60°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 038 811	32	3,3
149G 038 812	40	3,4
149G 038 813	50	3,7
149G 038 814	65	5,1
149G 038 815	80	5,1
149G 038 816	100	7,7
149G 038 817	125	10,1
149G 038 818	150	11,0
149G 038 821 (*)	200	23,1
149G 038 822 (*)	250	23,6
149G 038 819 (**)	200	28,4
149G 038 820 (**)	250	28,5

Flange rating PN10/16. PS 6 bar (p.234)

* PN10

** PN16

SYLAX GAS WAFER TYPE WITH MANUAL GEAR BOX - 316 STAINLESS STEEL DISC

NITRILE - Gas applications

θ -20°/+60°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 080 759	40	3,3
149G 080 760	50	3,6
149G 080 761	65	4,1
149G 080 762	80	4,3
149G 080 726	100	6,3
149G 080 727	125	9,7
149G 080 728	150	10,6
149G 080 729	200	16,3
149G 080 730	250	23,0
149G 079 286	300	34,8

Flange rating PN 6/10/16/ASA 150. PS 6 bar (p.234)

SYLAX GAS LUG TYPE WITH MANUAL GEAR BOX - 316 STAINLESS STEEL DISC

NITRILE - Gas applications

θ -20°/+60°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 080767	40	3,6
149G 080768	50	4,0
149G 080769	65	4,6
149G 080770	80	5,5
149G 080734	100	7,9
149G 080735	125	11,6
149G 080736	150	10,1
149G 080737 (**)	200	22,2
149G 080738 (**)	250	28,8
149G 080739 (**)	300	40,8
149G 080731 (*)	200	22,6
149G 080732 (*)	250	29,3
149G 080733 (*)	300	41,4

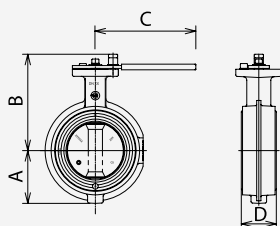
Flange rating PN 10/16. PS 6 bar (p.234)

* PN10

** PN16

OVERALL DIMENSIONS & TECHNICAL INFORMATION

SYLAX GAS RING SHAPED BODY



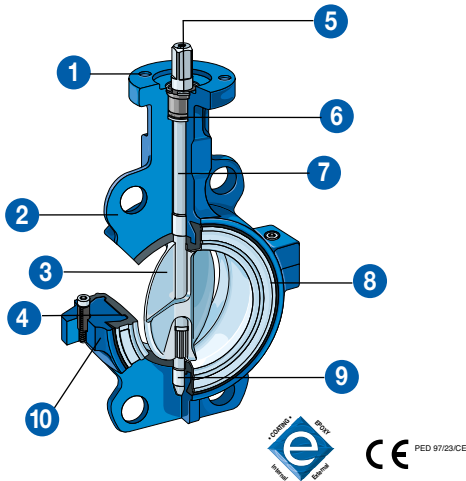
DN	A	B	D	C
50	58	137	43	140
80	72	153	46	140
100	83	165	52	140

Chapter 5.7

Shut Off Valves - TILIS

TILIS DN 50 TO 300MM

- Food fluids
- Carrying of mildly corrosive media
- Dismountable and easily maintained



MAIN TECHNICAL FEATURES DESIGNED IN ACCORDANCE WITH EN593

- | | |
|----|--|
| 1 | Connection flange according to ISO 5211 standard |
| 2 | Two part body for easy maintenance of the butterfly valve |
| 3 | Spline driven shaft connected to spherically machined disc. Floating disc allows self centering thus preventing stress on the liner during operation |
| 4 | Tongue and groove seat design allows perfect tightness |
| 5 | Circlip preventing blow-out of shaft |
| 6 | Secondary sealing |
| 7 | One piece shaft |
| 8 | Replaceable elastomer liner ensures full protection of shaft and body |
| 9 | Anti-friction bearings |
| 10 | Face to face dimensions according to :
ISO 5752 class 20.
NFEN 558 class 20.
API 609 table 2 |

TILIS is designed for the food processing industry and the carrying of mildly corrosive media.

For processes where hygiene is of the utmost importance, TILIS with PTFE coating (FDA approved) and EPDM liner, together with stainless steel 316 disc is highly recommended.

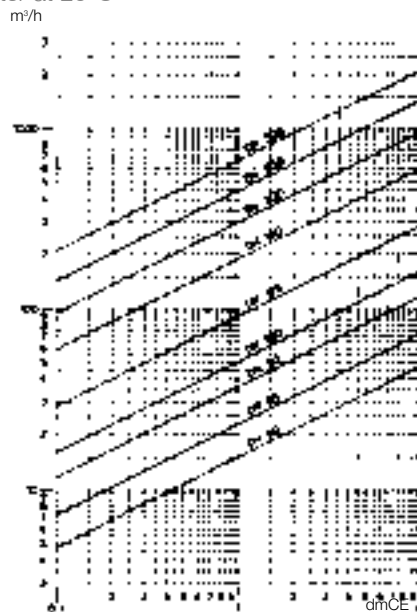
TILIS is designed for industrial applications where elastomer cannot be used. The two part body can be quickly taken apart for easy maintenance.

Greatly appreciated throughout industry, TILIS valves are used for mineral water, cosmetic process, detergents, fertilisers and weed-killers.

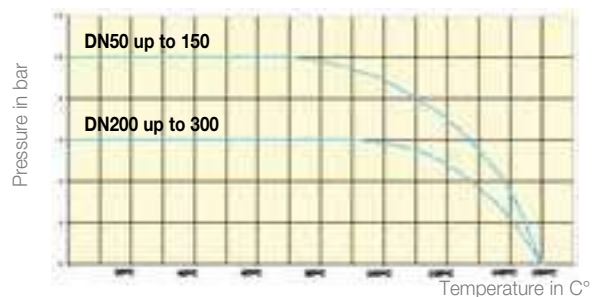
CE PED 97/23/CE ATEX 94/9/CE On request : we can supply butterfly valves type TILIS conformed to the Directive 94/9/CE

HEADLOSS CHART

For water at 20°C



TILIS - PRESSURE/TEMPERATURE DIAGRAM



TILIS WAFER TYPE 316 STAINLESS STEEL DISC

EPR/PTFE - Food fluids, drinks, pharmaceutical and cosmetic fluids

 θ +5°/+150°

Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 013 015	50	5,8
149G 013 025	65	5,9
149G 059 737	80	6,2
149G 013 039	100	7,3
149G 013 047	125	7,6
149G 013 051	150	9,0
149G 038 871 (*)	200	12,9

Flange rating PN 6/10/16/ASA 150. PS 10 bar (water) (p.234)

* PS maxi = 6 bar

TILIS LUG TYPE 316 STAINLESS STEEL DISC

EPR/PTFE - Food fluids, drinks, pharmaceutical and cosmetic fluids

 θ +5°/+150°

5

Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 016 787	50	5,6
149G 059 869	65	4,9
149G 059 870	80	7,2
149G 059 871	100	7,4
149G 016 789	125	8,4
149G 059 872	150	11,0
149G 038 872 (*)	200	20,0
149G 038 873 (**)	200	20,0

Flange rating PN 10/16. PS 10 bar (water) (p.234)

* PS maxi = 6 bar and PN16

** PS maxi = 6 bar and PN10

TILIS WAFER TYPE 316 STAINLESS STEEL DISC

EPR/PTFE - Food fluids, drinks, pharmaceutical and cosmetic fluids

 θ +5°/+150°

Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G080799	50	4,2
149G080800	65	4,7
149G080801	80	4,4
149G080790	100	8,0
149G080791	125	9,3
149G080792	150	10,3
149G080782 (*)	200	16,2
149G079617 (*)	250	14,4
149G080783 (*)	300	35,0

Flange rating PN 6/10/16/ASA 150. PS 10 bar (water) (p.234)

* PS maxi = 6 bar

TILIS LUG TYPE 316 STAINLESS STEEL DISC

EPR/PTFE - Food fluids, drinks, pharmaceutical and cosmetic fluids

θ +5°/+150°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G080802	50	4,0
149G080803	65	4,5
149G080804	80	2,1
149G080793	100	3,7
149G080794	125	11,5
149G080795	150	12,6
149G088303 (*)	200	29,1
149G080796 (*)	250	30,7
149G080797 (*)	300	40,8
149G079858 (**)	200	29,5
149G080771 (**)	250	31,2
149G080772 (**)	300	41,4

Flange rating PN 10/16. PS 10 bar (water) (p.234)

* PS maxi = 6 bar and PN16

** PS maxi = 6 bar and PN10

TILIS WAFER TYPE 316 STAINLESS STEEL MIRROR POLISHED DISC

EPR/PTFE - Food fluids, drinks, pharmaceutical and cosmetic fluids

θ +5°/+150°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 016 842	50	5,9
149G 016 843	65	6,1
149G 012 688	80	6,5
149G 016 844	100	7,9
149G 016 845	125	8,7
149G 016 846	150	10,3
149G 038 874 (*)	200	16,7

Flange rating PN 6/10/16/ASA 150. PS 10 bar (water) (p.234)

* PS maxi = 6 bar

TILIS LUG TYPE 316 STAINLESS STEEL MIRROR POLISHED DISC

EPR/PTFE - Food fluids, drinks, pharmaceutical and cosmetic fluids

θ +5°/+150°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 016 740	50	4,7
149G 016 741	65	4,9
149G 016 742	80	7,5
149G 016 743	100	7,4
149G 059 106	125	8,4
149G 059 107	150	11,0
149G 038 875 (*)	200	20,0
149G 038 876 (**)	200	20,0

Flange rating PN 10/16. PS 10 bar (water) (p.234)

* PS maxi = 6 bar and PN16

** PS maxi = 6 bar and PN10

TILIS WAFER TYPE 316 STAINLESS STEEL MIRROR POLISHED DISC

EPR/PTFE - Food fluids, drinks, pharmaceutical and cosmetic fluids

 θ +5°/+150°

Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G080806	50	4,0
149G080807	65	4,5
149G080808	80	4,1
149G080784	100	7,3
149G080785	125	8,4
149G080786	150	9,0
149G080787 (*)	200	12,9
149G080788 (*)	250	8,8
149G080789 (*)	300	25,7

Flange rating PN 6/10/16/ASA 150. PS 10 bar (water) (p.234)

* PS maxi = 6 bar

TILIS LUG TYPE 316 STAINLESS STEEL MIRROR POLISHED DISC

EPR/PTFE - Food fluids, drinks, pharmaceutical and cosmetic fluids

 θ +5°/+150°

5

Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G080809	50	3,8
149G080810	65	4,2
149G080811	80	5,1
149G080776	100	8,7
149G080777	125	10,6
149G080778	150	11,3
149G080779 (*)	200	18,5
149G080780 (*)	250	25,1
149G080781 (*)	300	32,1
149G080773 (**)	200	18,9
149G080774 (**)	250	25,6
149G080775 (**)	300	31,6

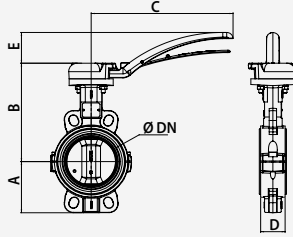
Flange rating PN 10/16. PS 10 bar (water) (p.234)

* PS maxi = 6 bar and PN16

** PS maxi = 6 bar and PN10

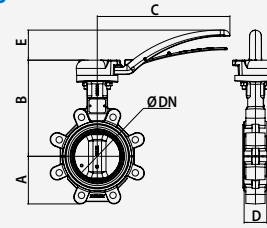
OVERALL DIMENSIONS & TECHNICAL INFORMATION

Tilis Wafer Lever



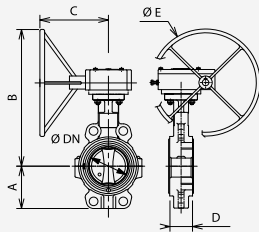
DN	A	B	C	D	E
50	62	169	200	43	45
65	70	178	200	46	45
80	89	184	200	46	45
100	106	208	290	52	65
125	120	223	290	56	65
150	131	236	290	56	65
200	164	293	450	60	86

Tilis Lugged Lever



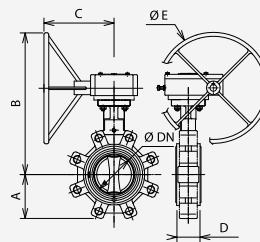
DN	A	B	C	D	E
50	62	169	200	43	45
65	70	178	200	46	45
80	89	184	200	46	45
100	106	208	290	52	65
125	120	223	290	56	65
150	131	236	290	56	65
200	164	293	450	60	86

Tillis Wafer Gearbox



DN	A	B	C	D	E	Kg
50	61	224,5	120	41	125	4,1
65	69	233,5	120	44	125	4,5
80	88	239,5	120	44	125	5,1
100	105	302	197	50	200	8,2
125	119	317	197	54	200	9,2
150	130	330	197	54	200	11,1
200	163	372,5	197	58	200	18,6
250	199	433	239	66	250	24,8
300	234	483	293	76	300	36,7

Tilis Lugged Gearbox



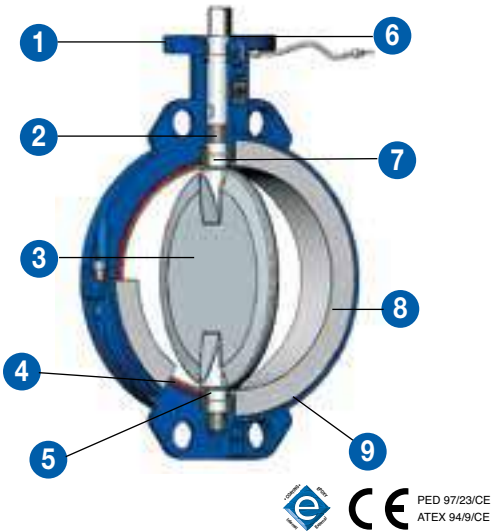
DN	A	B	C	D	E	Kg
50	61	224,5	120	41	125	4,4
65	69	233,5	120	44	125	5,0
80	88	239,5	120	44	125	5,9
100	106	302	197	50	200	9,8
125	123	317	197	54	200	12,3
150	149	330	197	54	200	13,8
200	178	372,5	197	58	200	24,2
250	211	433	239	66	250	33,1
300	243	483	293	76	300	43,7

Chapter 5.8

Shut Off Valves - LYCENE

LYCENE DN 32/40 TO 300 MM

- Suitable for highly corrosive media and pure water
- High level of working safety - long term efficiency
- High level of technology

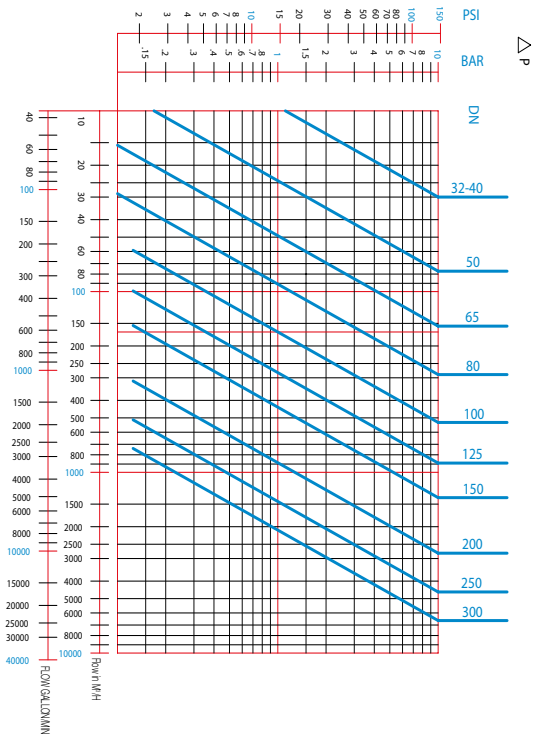


MAIN TECHNICAL FEATURES DESIGNED IN ACCORDANCE WITH EN593

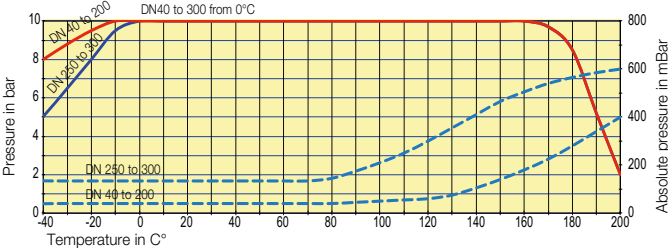
- 1 ISO top connection according to EN ISO 5211
 - 2 Anti-friction bearing
 - 3 One piece blow out proof shaft and PFA coated disc (2,5 mm thick)
 - 4 Liner back-up is enclosed in the body
 - 5 PFA moulding up the stem ensuring zero leakage
 - 6 Upper sealing
 - 7 Tightness at shaft location with bearing and spring
 - 8 PTFE liner (3 mm thick)
- Face to face dimensions according to :
- 9 ISO 5720 class 20.
EN 558 class 20.
API 609 table 2.

LYCENE Butterfly valves are specifically designed for chemical media, food processing industries and pure water.

This valve offers a very high level of reliability due to its resistance to corrosion. A very high level of working safety for difficult media thanks to PFA and PTFE plastomer liner. In addition to the standard models, we can offer customisations for particularly difficult media.



LYCENE - PRESSURE/TEMPERATURE DIAGRAM



From -40°C up to 0°C and from +80°C up to +200°C, the temperature variation does not exceed 30°C in continuous functioning. Peaks beyond this variation are tolerated.

Torque figures available on request.

REGULATION

DIRECTIVE 94/9/CE : (ATEX : ATmosphere EXplosive)

The standard butterfly valves type LYCENE comply with (are conformed to) the Directive concerning equipment and protective systems intended for use in potentially EXplosive Atmospheres 94/9/CE. For some applications, the valves (don't comply with) (are not conformed to) the Directive and therefore, they won't be supplied with a Declaration of Conformity CE.

This directive is only applicable for the following atmospheric conditions :
 -20°C < T < +60°C ; 0,8 bar ≤ P ≤ 1,2 bar.

In this risk analysis, the fluid which passes through the valve is not taken into account. It is under the responsibility of the user to take into consideration the risks generated by the fluid like :


Heating of the surface of the valve, internal chocks generated by granulates, wave of chocks due to the installation (water hammering). Or the risks due to foreign bodies which are inside the installation.

Classification of the bare shaft valve :

The marking of the bare shaft valve is :  II 2 DG

Classification of the set valve + actuation :

- Valve with a hand lever :

The use of the hand levers produced by Socla within a ATEX area do not represent additional risks. The valve with a hand lever is in conformity with (conformed to) the marking :  II 2 DG.

- Valve with other actuations :

The classification of the valve + actuation supplied by Socla is similar to the lowest classification of the components which compose the assemblyset.

No additional marking will be used to indicate the classification of the assemblyset.

If only one component of the assemblyset is not marked with ATEX label therefore the complete assemblyset is not conformed to ATEX directive.

**LYCENE WITH NOTCHED DUCTILE IRON HANDLEVER.
 WITH NOTCHED DUCTILE IRON HANDLEVER 10 POSITIONS PADLOCKABLE**



**LYCENE WAFER TYPE 316 STAINLESS STEEL DISC
 SILICONE/PTFE - Corrosive fluids, food processing industries and pure water**
 θ -40°/+200°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 058 826	32	3,9
149G 035 093	40	3,4
149G 010 607	50	4,6
149G 010 608	65	5,2
149G 010 609	80	7,1
149G 056 603	100	8,8
149G 056 685	125	15,0
149G 056 686	150	20,4
149G 056 687	200	29,5
149G 010 614	250	39,3

Flange rating PN 6/10/16/ASA 150. PS 10 bar (water) (p.234)
 Dimensions at the end of the section.

**LYCENE LUG TYPE 316 STAINLESS STEEL DISC
 SILICONE/PTFE - Corrosive fluids, food processing industries and pure water**
 θ -40°/+200°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 058 828	32	3,9
149G 035 098	40	4,2
149G 016 672	50	5,7
149G 016 673	65	6,5
149G 016 674	80	9,0
149G 056 691	100	11,2
149G 056 692	125	18,2
149G 056 693	150	25,6
149G 016 678 (*) 149G 038 916 (**)	200	37,0
149G 016 679 (*) 149G 038 917 (**)	250	49,6

Flange rating PN 10/16. PS 10 bar (water) (p.234)
 * PN16
 ** PN10
 Dimensions at the end of the section.

LYCENE WAFER TYPE 316 STAINLESS STEEL PFA COATED DISC
SILICONE/PTFE - Corrosive fluids, food processing industries and pure water
 θ -40°/+200°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 058 827	32	3,4
149G 056 266	40	4,6
149G 014 525	50	5,2
149G 014 526	65	7,1
149G 014 527	80	8,8
149G 056 028	100	15,0
149G 056 596	125	20,4
149G 056 605	150	29,5
149G 060 195	200	39,3

Flange rating PN 6/10/16/ASA 150. PS 10 bar (water) (p.234)
 Dimensions at the end of the section.

LYCENE LUG TYPE 316 STAINLESS STEEL PFA COATED DISC
SILICONE/PTFE - Corrosive fluids, food processing industries and pure water
 θ -40°/+200°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G 058 829	32	4,2
149G 035 100	40	5,7
149G 016 681	50	6,5
149G 016 682	65	9,0
149G 016 683	80	11,2
149G 056 688	100	18,2
149G 056 689	125	25,6
149G 056 690	150	37,0
149G 016 687 (*)	200	49,6
149G 038 919 (**)		

Flange rating PN 10/16. PS 10 bar (water) (p.234)
 (*) PN16
 (**) PN10
 Dimensions at the end of the section.

**LYCENE WITH NOTCHED DUCTILE IRON HANDLEVER.
WITH MANUAL GEAR BOX LONG LIFE LUBRICATED ACTUATED WITH GEAR**

LYCENE WAFER TYPE 316 STAINLESS STEEL DISC

SILICONE/PTFE - Corrosive fluids, food processing industries and pure water

θ -40°/+200°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G080825	32	4,2
149G080819	40	4,2
149G080820	50	3,8
149G080821	65	5,2
149G080822	80	4,3
149G080823	100	7,6
149G080824	125	8,8
149G080813	150	12,3
149G080814	200	18,1
149G080815	250	26,9
149G079679	300	39,9

Flange rating PN 6/10/16/ASA 150. PS 10 bar (water) (p.234)
Dimensions at the end of the section.

LYCENE LUG TYPE 316 STAINLESS STEEL DISC

SILICONE/PTFE - Corrosive fluids, food processing industries and pure water

θ -40°/+200°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G080837	32	4,3
149G080826	40	4,3
149G080827	50	4,6
149G080828	65	5,1
149G080829	80	5,5
149G080830	100	9,1
149G080831	125	11,2
149G080832	150	14,6
149G080833 (*)	200	24,1
149G080835 (**)		
149G080812 (*)	250	33,2
149G080816 (**)		
149G080834 (*)	300	46,9
149G080836 (**)		

Flange rating PN 10/16. PS 10 bar (water) (p.234)

(*) PN16

(**) PN10

Dimensions at the end of the section.

LYCENE WAFER TYPE 316 STAINLESS STEEL PFA COATED DISC
SILICONE/PTFE - Corrosive fluids, food processing industries and pure water
 θ -40°/+200°



Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G080838	32	4,4
149G080839	40	4,4
149G080840	50	4,0
149G079165	65	5,5
149G080841	80	4,6
149G080842	100	7,8
149G080843	125	9,0
149G079469	150	11,3
149G079834	200	18,4
149G080818	250	29,7
149G080844	300	39,8

Flange rating PN 6/10/16/ASA 150. PS 10 bar (water) (p.234)
 Dimensions at the end of the section.

LYCENE LUG TYPE 316 STAINLESS STEEL PFA COATED DISC
SILICONE/PTFE - Corrosive fluids, food processing industries and pure water
 θ -40°/+200°

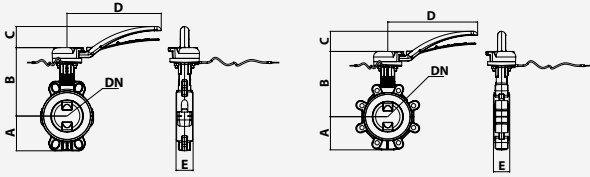


Part Number	DN mm	Kg
DUCTILE IRON GGG40 BODY		
149G080855	32	4,5
149G079132	40	4,5
149G080845	50	4,9
149G080846	65	5,3
149G080847	80	5,7
149G080848	100	9,3
149G080849	125	11,4
149G080850	150	13,7
149G080851 (*)	200	24,4
149G080854 (**)		
149G079210 (*)	250	35,9
149G080817 (**)		
149G080852 (*)	300	46,8
149G080853 (**)		

Flange rating PN 10/16. PS 10 bar (water) (p.234)
 (*) PN16
 (**) PN10
 Dimensions at the end of the section.

OVERALL DIMENSIONS

Lycene PCF



DN	INOX & PFA					Kg	
	A	B	C	D	E	Water	Lug
32/40	73	163	45	200	32,5	3,9	3,9
50	69	172	45	200	43,5	3,4	4,2
65	73	178	45	200	46,5	4,5	5,5
80	89	183	45	200	46,5	5	6,5
100	106	210	65	290	52,5	7	9
125	120	222	65	290	56,5	8,8	11,1
150	132	249	86	450	56,5	15	18,1
200	164	292	86	450	60,5	20,3	25,5
250	200	318	86	450	68	29,4	37

Lycen RM



DN	A	B	C	D	E	Kg Water	Kg Lug
32	73	219,5	120	32,5	125	4,30	4,30
40	73	219,5	120	32,5	125	4,30	4,30
50	69	228,5	120	43,5	125	4,50	5,00
65	73	234	120	46,5	125	4,90	5,40
80	89	239,5	120	46,5	125	5,10	6,10
100	106	304,5	197	52,5	200	8,80	10,3
125	119,5	317	197	56,5	200	10,60	13,0
150	132	330	197	56,5	200	12,20	14,4
200	164	372,5	197	60,5	200	18,40	24,7
250	200	398	197	68,5	200	25,00	31,6
300	235	458	239	78,5	250	37,40	44,8

Chapter 5.9

Emaris butterfly valves - DN 50-300mm



EMARIS BUTTERFLY VALVES

DN 50 up to 300 mm (DN350 upto 900 mm, available on request)

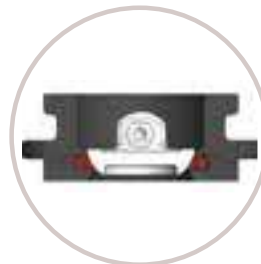
- Available in tapped lug version
- Vertical and horizontal mounting of the shaft
- Easy access to the packing gland without removing the actuator
- Tightness seal in RTFE 15% graphite
- Reliable technology : no need of spring or tightness bearing



5



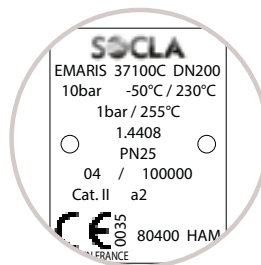
- Body with long neck and integrated arcade, designed to allow insulation.
- Excellent dynamic tightness due to easy adjustment of the packing gland.
- Direct mounting of the actuators on an integrated arcade with large normalised surface.
- Safety anti-ejection circlip keeps shaft in place



- Body : Full range of mounting thanks to centring lug with multiple connections
- Fixation of the the guide plate outside of the seal bearing which guarantees an optimal tightness on the flange
- Disc : long life durability due to double off set disc operating principle minimizing seat wear
- Low torque values
- Tightness zone extended out of the shaft way.

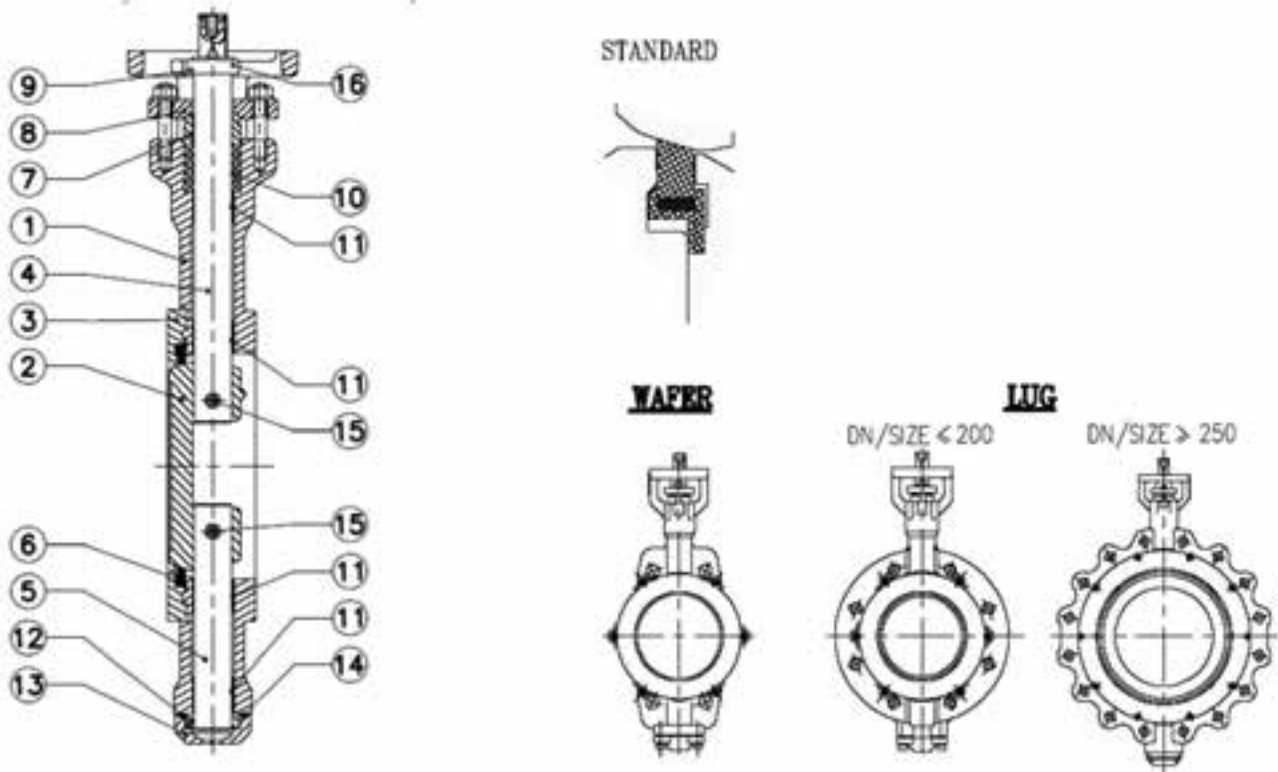


- Excellent guiding and centring of the shaft due to anti-friction bearings
- Double-direction butterfly valve
- Easy-directional maintenance due to a simple design to avoid any mistake by mounting the seal.
- Assembly of the guide plate by screws ensuring an easy access to the seal.
- The external tightness allows a security at the lower shaft way thanks to the o-ring.



- Identification and traceability ensured by riveted metal tag : see page 10

SPARE PARTS LIST AND MATERIALS



No	Description	Nb	Materials	EN
1	Body	1	Carbon Steel	1.0619 / A216 WCB
			Stainless Steel	1.4408 / A351 CF8M
2	Disc	1	Stainless Steel	1.4408 / A351 CF8M
3	Seat Ring	1	Carbon Steel	1.0619 / A216 WCB
			Stainless Steel	1.4408 / A351 CF8M
4	Upper Stem	1	Stainless Steel	1.4021 / A276 Gd420
5	Lower Stem	1	Stainless Steel	1.4542 / A564 Gd630
6	Seat	1	Standard : RTFE 15% Graphite	
7	Packing Gland	1	Stainless Steel	1.4307
8	Gland Follower	1	Carbon Steel	1.1149
			Stainless Steel	1.4401
9	Travel Stop	1	Stainless Steel	1.4306
10	Packing	4 to 6	Graphite	
11	Bearing	4	Carbon Steel + PTFE	
			Stainless Steel + PTFE	
12	Disc Locating Shoulder	1	Stainless Steel	1.4307
13	Cover	1	Carbon Steel	1.0619 / A216 WCB
			Stainless Steel	1.4408 / A351 CF8M
14	Bottom Seal	1	Graphite / PTFE 25% Glass	
15	Pin	1	Stainless Steel	1.4404
16	Circlips	1	Carbon Steel	
			Stainless Steel	

APPROVALS

DESIGN

According to EN 593 and marking according to EN 19

ISO TOP CONNECTION FOR ACTUATIONS

According to EN ISO 5211

FACE TO FACE

According to 558 series 20
ISO 5752 series 20
API 609 table 2 Class 300

CONNECTING FLANGES

According to EN 1092-1 and EN1092-2 : PN10-16-25-40
ASME/ANSI B16.5 : ASA 150 and 300

TESTS

According to EN12266-1

- Resistance and tightness of the body (directive PED 2014/68/UE) : test P11 (1,5 x allowable operating pressure).
- Tightness of the seat : test P12 rate A (1,1 x allowable operating pressure).

EUROPEAN DIRECTIVES

Our butterfly valves are in accordance to the safety requirements of the following directives :

Directive 2014/68/UE : Equipments under pressure PED (Pressure Equipment Directive)

Applies to the design, manufacturing and the assessment of the conformity of pressure equipment, the maximum allowable pressure of which is 0.5 bar.

Pressure equipment for water supply, distribution, and disposal of water is excluded.

Depending on the type of pressure equipment, maximum allowable temperature (PS), DN, physical nature of the fluid (liquid, gas or vapour) and the degree of danger of the fluid (group1/2)*, the directive classifies this same equipment into different categories (article 3.3, I, II, III, IV), required for the assessment of conformity with CE marking.

The equipment defined in article 3.3 of the directive must not bear the CE marking.

(*) Group 1 : hazardous fluids (directive 67/548/EEC) / explosive / highly flammable /easily flammable / flammable / very toxic / toxic / combustion agents.
Group 2 : all other fluids.

Important : the indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. Socla is not responsible for alteration of the products to working conditions not previously specified by the customer.

Machinery Directive 2006/42/CE : Machinery Directive

In its Appendix I it sets a certain number of Essential Health and Safety Requirements which must be met. It applies to motorised butterfly valves, (with electric, pneumatic or hydraulic actuators). According to this Directive, these sets are "Partly Completed Machineries" designed for being integrated into a machine.

"Partly Completed Machinery" means an assembly which is almost machinery but which cannot in itself perform a specific application. A drive system is partly completed machinery. Partly completed machinery is only intended to be incorporated into or assembled with other machinery or other partly completed machinery or equipment, thereby forming machinery to which this Directive applies.

An instruction notice specifying the installation characteristics and the commission of the Emaris is added to every product ; it is available on our web site www.socla.com or on request by our sales department.

DIRECTIVES

DIRECTIVE 2014/68/UE EQUIPMENTS UNDER PRESSURE

Products manufactured in conformity with the requirements of the directive, according to pressure, DN and fluid (see upper page)

Liners	DN mm	Cat.	Mounting	PFA	PS				
					L1	L2	G1	G2	
40 bar	RTFE 15% graphite	50 up to 300	II	Flanges	40	25	40	25	25
			I	End of line	40	18	18	18	18
25 bar			II	Flanges	25	25	25	25	25
			I	End of line	25	18	18	18	18
16 bar			II	Flanges	16	16	16	16	16
			I	End of line	16	16	16	16	16
10 bar			II	Flanges	10	10	10	10	10
			I	End of line	10	10	10	10	10

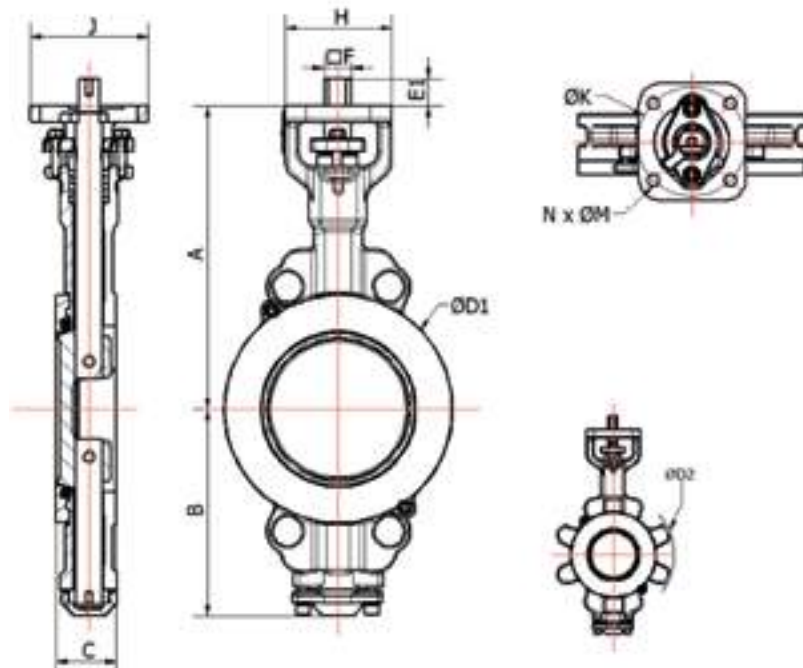
NOTE : Butterfly valves of category II used as «end of line», please consult us.

PS : Maximum allowable pressure (in bar) according to Directive 2014/68/UE

PFA : Allowable operating pressure (in bar) for supply, distribution and disposal of water.

NOTE : for end of line valves, valve must not be mounted between flange (mandatory blind flange).

APPROVALS

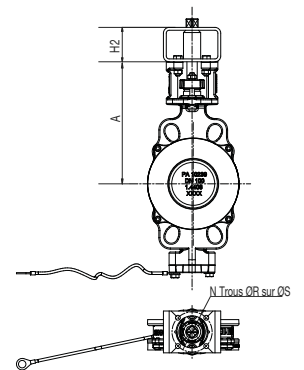


DN	A	B	C	ØD1	ØD2	SQUARE		TOP FLANGE			ISO5211 ISO5210		WEIGHT KG		
						E1	F	N°	H	J	K	N	M	WAFER	LUG
50	175	102	43	97	153	25,5	11	F07	70	80	70	4	9	3,9	4,6
65	191	116	46	117	173	25,5	11	F07	70	80	70	4	9	5	7,1
80	197	122	46	130	190	25,5	11	F07	70	80	70	4	9	5,4	7,9
100	233	149	52	158	225	25,5	14	F10	100	100	102	4	11	9,1	11,6
125	245	160	56	188	261	25,5	14	F10	100	100	102	4	11	11	14,9
150	283	193	56	212	294	25,5	19	F10	100	110	102	4	11	15,7	20,1
200	307	217	60	267	365	25,5	19	F10	100	110	102	4	14	21,9	33,7
250	371	254	68	321	420	36	27	F12	132	140	125	4	14	37,1	51,6
300	399	302	78	372	476	36	27	F12	132	140	125	4	14	54	87

CONNECTING KIT FOR ACTUATION

We recommend direct mounting of the actuator, otherwise see table below.

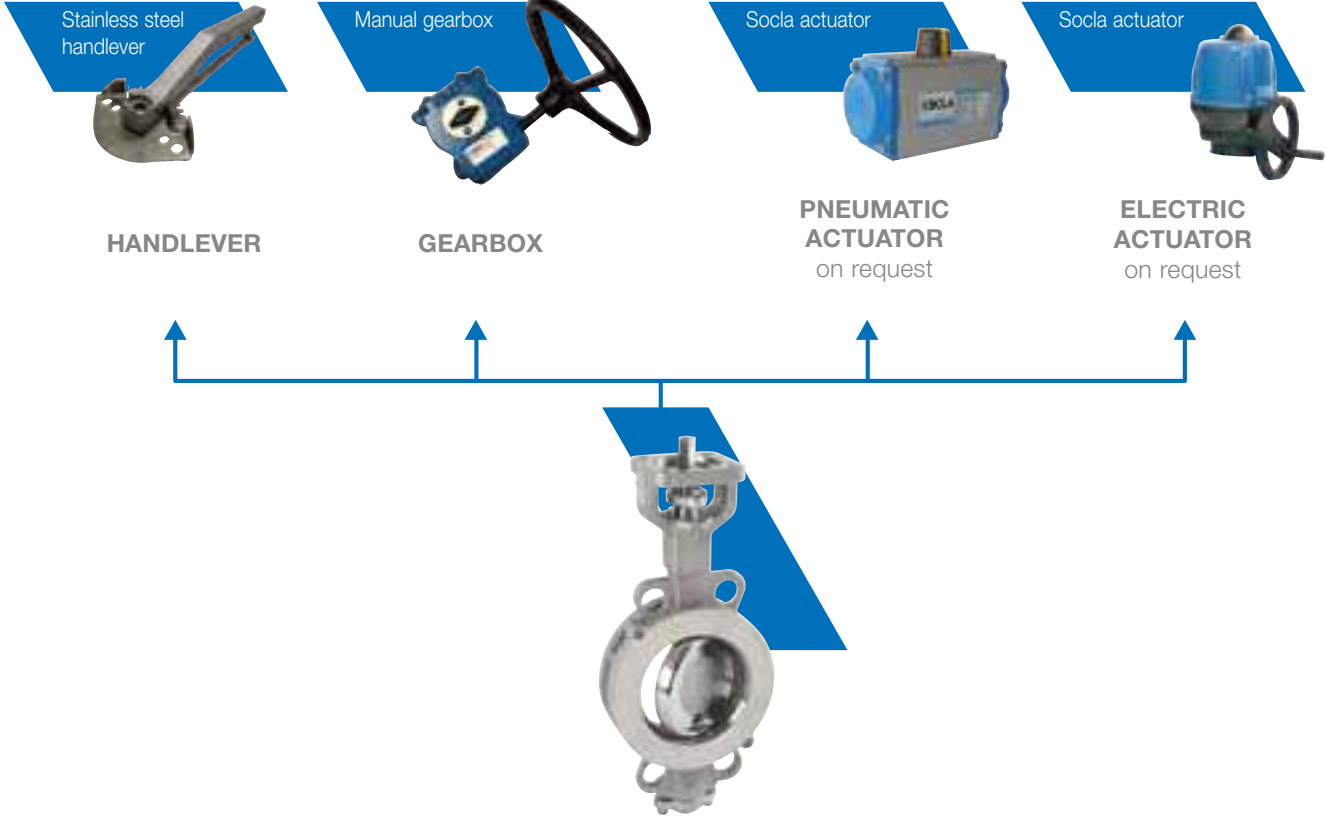
		Exceeding length of the shaft																		
DN	NPS	Iso to of the valve	F05			F07			F10			F12			F14			F16		
			H2	4x ØR	ØS	H2	4x ØR	ØS	H2	4x ØR	ØS	H2	4x ØR	ØS	H2	4x ØR	ØS	H2	4x ØR	ØS
50	2	F07/□11	60	6,5	50	60	8,5	70	80	10,5	102	80	12,5	125						
65	2 1/2																			
80	3																			
100	4	F10/□14	80	6,5	50	80	8,5	70	80	10,5	102	80	12,5	125	90	17	140			
125	5																			
150	6	F10/□19	80	6,5	50	80	8,5	70	80	10,5	102	80	12,5	125	90	17	140	90	22	165
200	8																			
250	10	F12/□27	80	8,5	70	80	10,5	102	90	12,5	125	90	17	140	90	22	165			
300	12																			



Reminder of the iso top dimensions EN ISO 5211 (see also the overall dimensions). On request : other special executions is subject to technical feasibility.

ACTUATIONS

Find below the different standard assembly combinations.
For any other information, please ask our technical Department.



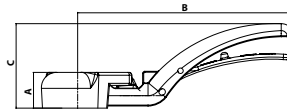
**PLEASE CONTACT US WITH YOUR REQUIREMENTS,
FOR MORE INFORMATION OR POA QUOTATIONS**

Chapter 5.10

Shut Off Valves - Manual Actuations and accessories

(1) PCF

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



Part Number	DN mm	A	B	C	Kg
149H 001 294	25 to 100	33	200	78	0,8
149H 001 454	125 to 150	33	290	98	1,2
149H 001 455	200	42	450	128	2,9
149H 001 302	250	42	450	128	2,8
149H 001 457	300	42	450	128	3,4

(2) NOTCHED HANDLEVER WITH 1 MECHANICAL LIMIT SWITCH

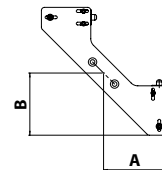
On/off position

Part Number	DN mm	Kg
149G CM1 721	25 to 100	1,1
149G CM1 726	125 to 150	1,6
149G CM1 728	200	3,4
149G CM1 729	250	3,3
149G CM1 730	300	3,9



(3) PLATE WITH 1 MECHANICAL LIMIT SWITCH FOR PCF HANDLEVER

IP66 limit switch set

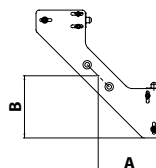


Part Number	DN mm	A	B	Kg
149G 3E	25 to 100	105	100	0,3
149G 3G	125 to 150	106	100	0,3
149G 3H	200	138	103	0,4
149G 3H	250	138	103	0,4
149G 3I	300	138	103	0,5

(4) NOTCHED HANDLEVER WITH 2 MECHANICAL LIMIT SWITCHES

Signalisation to 0° and 90°

Part Number	DN mm	Kg
149G CM1 742	25 to 100	1,2
149G CM1 746	125 to 150	1,7
149G CM1 748	200	3,5
149G CM1 749	250	3,4
149G CM1 750	300	4

**(5) PLATE WITH 2 MECHANICAL LIMIT SWITCHES FOR PCF HANDLEVER**

Part Number	DN mm	A	B	Kg
149G 3J	25 to 100	105	100	0,4
149G 3K	125 to 150	106	100	0,4
149G 3L	200	138	103	0,5
149G 3L	250	138	103	0,5
149G 3M	300	138	103	0,6

5

(6) NOTCHED HANDLEVER WITH IP67 SWITCHBOX

with 2 mechanical limit switches.

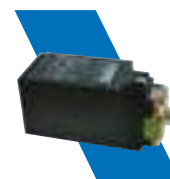
On/off position

Part Number Switchmaster SM-M2 Ref.	DN mm	Kg	Part Number Switchmaster SC-M2 Ref.	DN mm	Kg
149G CM1 812	25 to 100	1,8	149G CM1 782	25 to 100	1,8
149G CM1 816	125 to 150	2,3	149G CM1 786	125 to 150	2,3
149G CM1 818	200	4,6	149G CM1 788	200	4,6
149G CM1 819	250	4,6	149G CM1 789	250	4,6
149G CM1 820	300	5,5	149G CM1 790	300	5,5

(7) IP66 MECHANICAL LIMIT SWITCH

IP66 mechanical limit switch

Part Number	Type	Kg
149H 003 115	IP 66 switch limit - Plunger	0.1
149H 003 119	IP 66 switch limit - Roller plunger	0.1

**(8) NOTCHED HANDLEVER WITH IP67 SWITCHBOX**

With 2 inductive limit switches.

On/off position

Part Number Switchmaster SM-D2 Ref.	DN mm	Kg	Part Number Switchmaster SC-D2 Ref.	DN mm	Kg
149G CM1 882	25 to 100	1,8	149G CM1 792	25 to 100	1,8
149G CM1 883	125 to 150	2,3	149G CM1 796	125 to 150	2,3
149G CM1 884	200	4,6	149G CM1 798	200	4,6
149G CM1 885	250	4,6	149G CM1 799	250	4,6
149G CM1 886	300	5,5	149G CM1 800	300	5,5

(9) SWITCHBOX

IP67 switchbox with 2 limit switches.



Part Number Switchmaster Ref.	Type	Kg	Part Number Switchcontrol Ref.	Type	Kg
149G YE	IP67 mechanical	0,4	149G YF	IP67 mechanical	0,8
149G Y9	IP67 inductive	0,4	149G YG	IP67 inductive	0,8
149G ZJ	IP67 ATEX	0,4	149G YH	IP67 ATEX	0,8

(10) NOTCHED CAST IRON HANDLEVER

with 2 inductive limit switches.

On/off position



Part Number	DN mm	Kg
149G CM1 822	25 to 100	1,3
149G CM1 826	125 to 150	1,7
149G CM1 828	200	3,4
149G CM1 829	250	3,3
149G CM1 830	300	4























(11) CONNECTION FOR INDUCTIVE LIMIT SWITCH

(suitable for PCF handlever - manual gear box DA and SA actuators)



Part Number	Male connection for inductive limit switch	Kg
149F 018 965	To be wired	0,02
149F 018 966	With 2 meter wire	0,02
149F 018 967	With 5 meter wire	0,10

THE APPROVALS AND TESTS

Organisations	N°	Products	Sector	Organisations	N°	Products	Sector
	P-14574 P-14575	SYLAX - TILIS SYLAX DN 400 to 1200	SHIPBUILDING	 Water Regulations Advisory Scheme	0510107 0510104	SYLAX 25 to 350 SYLAX 400 to 1200	WATER
	14-GD1155021-PDA	SYLAX DN 25 to 350 TILIS DN 32 to 300 SYLAX DN 400 to 1200	SHIPBUILDING		DW - 6201 CO 0390 DG - 4313 BS 0449	SYLAX DN 25 to 350 SYLAX GAS DN 32 to 300	WATER GAS
	94/30008 (E3)	SYLAX DN 25 to 350 TILIS DN 32 to 300 SYLAX 400 to 1200 LYCENE 50 to 300 EMARIS 65 to 150	SHIPBUILDING	 AIB VINCOTTE	S61/00014	BUTTERFLY VALVES	BUILDING CDCII/C7/105/90 BUILDING ORGANISATION IN BELGIUM
	03925163 13926/A0 BV 13927/A1 BV	SYLAX DN 25 to 350 SYLAX 400 to 1200 LYCENE 32 to 300 EMARIS 65 to 200	SHIPBUILDING		WE92413/29	SYLAX DN 50 to 300	SANITARY NETWORKS
	MAC/135205CS/1 MAC/135205CS/3 MAC/135205CS/2 MAC/135205CS/4 MAC/135205CS/5	SYLAX DN 25 to 350 TILIS DN 32 to 300 SYLAX 400 to 1200 LYCENE 50 to 300 EMARIS 65 to 200	SHIPBUILDING	 Le futur en construction	HS98/068 HS99/069 HS00/044	SYLAX DN 50 to 300	BUILDING
	011209	SYLAX DN 40 to 350 SYLAX DN 400 to 600 TILIS DN 32 to 300	TRANSPORT		YO/AL/12/037 PCA/GIS/PCA	SYLAX CNPP DN 32/40 to 300 up to PN20 with gear box	FIREFIGHTING NETWORKS
	ROB 060-R4	SYLAX GAS DN 32 to 300	GAS		3029234	SYLAX FM DN 32 to 300	FIREFIGHTING NETWORKS
	08.96.0273/0220	BUTTERFLY VALVES DN 32 to 350	GAS		PV N° 81	SYLAX 25 to 350 SYLAX 400 to 1200	SOCIETE DU CANAL DE PROVENCE
ACS FRENCH MINISTRY APPROVAL	10 ACC NY 126 10 ACC NY 126 08 ACC NY 279	SYLAX 25 to 350 SYLAX 400 to 1200 EMARIS 50 to 250	WATER		R09/62/86 R09/62/37	BUTTERFLY VALVE WITH ELASTOMER LINER	LF Antar France ELF Aquitaine production ELF Atochem Petroleum Petro chemical Chemical industry
	9005-2445	SYLAX DN 32 to 350 SYLAX DN 400 to 600	WATER		03/1992	SYLAX, TILIS, LYCENE	CAR INDUSTRY
		SYLAX DN 25 to 1200	WATER		DA/PGIO 88.986	SYLAX, TILIS, LYCENE	CAR INDUSTRY
	K 82439/01	SYLAX DN 25 to 1200	WATER				

DIRECTIVE 97/23/CE : PRESSURE EQUIPMENT DIRECTIVE
 Manufacturing in accordance with the directive requirements for pressure, DN and fluid

ATTENTION: Gas G1 and G2 : The maximum pressure is 6 bar when using cast iron 5.1301 (EN-GJL-250) - (except for sylax gas)

FAMILY	LINERS	DN mm	Cat.	MOUN- TING	PFA water	PS			
						L1	L2	G1	G2
SYLAX DN25 to 350 mm	6 bar EPDM, Nitrile (CC333G disc), White EPDM	32 to 150	3.3	Flanges End of line	6 4	6 4	6 4	6 4	6 4
		200 to 350	I	Flanges End of line	6 4	6 4	6 4	6 4	
		32 to 100	I	Flanges	6	6	6	6	6
				End of line	4	4	4	4	
		125 to 350	II	Flanges	6	6	6	6	6
				End of line	4	4	4	4	
	10 bar EPDM, Nitrile (CC333G disc), White Nitrile, Carboxylated nitrile, White EPDM	25 to 100	3.3	Flanges End of line	10 6	10 6	10 6	10 6	10 6
		125 - 150	I	Flanges End of line	10 6	10 6	10 6	10 6	
		200 to 350	I	Flanges End of line	10 6	10 6	10 6	10 6	
		25	3.3	End of line	6	6	6	6	
		32 to 100	I	Flanges	10	10	10	10	10
				End of line	6	6	6	6	
	125 to 350	II	Flanges	10	10	10	10	10	
			End of line	6	6	6	6		
	16 bar EPDM, Nitrile (CC333G disc)	32 to 100	3.3	Flanges	10	10	10	10	10
				End of line	6	6	6	6	
				Flanges	10	10	10	10	10
		125 to 150	II	Flanges	10	10	10	10	10
				End of line	6	6	6	6	
		200 to 350	II	Flanges	6	6	6	6	6
	End of line	4	4	4	4				
	Nitrile (except CC333G disc), FKM	32 to 100	I	Flanges	10	10	10	10	10
				End of line	6	6	6	6	
		125 to 350	II	Flanges	10	10	10	10	10
End of line				6	6	6	6		
200 to 350		II	Flanges	6	6	6	6	6	
			End of line	4	4	4	4		
Nitrile (except CC333G disc), Neoprene, Butyl, CSM, Natural rubber, White natural rubber	32 to 100	I	Flanges	16	16	16	10	10	
			End of line	12	12	12	10		
	125 - 150	II	Flanges	16	16	16	10	16	
			End of line	12	12	12	12		
	200 to 300	II	Flanges	16	16	16	10	10	
			End of line	10	10	10	10		
350	II	Flanges	16	16	16	10	10		
		End of line	8	8	8	8			
20 bar EPDM, Nitrile (CC333G disc)	32 to 250	3.3	Flanges	20	20				
			End of line	12	12				
	300 - 350	I	Flanges	20	20				
			End of line	12	12				
	32 to 100	3.3	End of line	12	12	12			
			Flanges	20	20	20			
125 to 350	II	End of line	12	12	12				
		Flanges	20	20	20				
25 bar EPDM, Nitrile (CC333G disc)	32 to 150	3.3	Flanges	25	25				
			End of line	16	16	16			
	32 to 80	3.3	Flanges	25	25	25			
			End of line	16	16	16			
	100 to 150	II	Flanges	25	25	25			
			End of line	16	16	16			
6 bar EPDM, Nitrile, White EPDM, White Nitrile, Carboxylated nitrile	400 to 500 600 700 to 800 900 to 1000 1200	I	Flanges	6	6	6	6		
			End of line	4	4	4	4		
			Flanges	6	6	6	5		
			End of line	4	4	4	4		
			Flanges	6	6	6	4		
			End of line	4	4	4	4		
6 bar Silicone, Neoprene, Butyl, CSM, FKM, Natural rubber, White natural rubber	400 to 500 600 to 800 900 to 1000 1200	I	Flanges	6	6	6	6		
			End of line	4	4	4	6		
			Flanges	6	6	6	3,5		
			End of line	4	4	4	4		
			Flanges	6	6	6	6		
			End of line	4	4	4	4		
10 bar EPDM, Nitrile, White EPDM CSM, FKM	400 to 1200	I	Flanges	10	10	10			
			End of line	6	6	6			
	400 to 1200	I	Flanges	10	10	10			
			End of line	6	6	6			
	400 to 1200	I	Flanges	16	16	16			
			End of line	8	8	8			
400 to 1200	I	Flanges	16	16	16				
		End of line	8	8	8				
20 bar EPDM, Nitrile	400 to 600	I	Flanges	20	20				
			End of line	10	10				

FAMILY	LINERS	DN mm	Cat.	MOUN- TING	PFA water	PS			
						L1	L2	G1	G2
SYLAX FM/ CNPP	16 bar EPDM (CNPP approval), EPDM (FM approval)	32 to 300	3.3	Flanges	16		16		
				End of line	12		12		
SYLAX GAS	6 bar Nitrile	32 to 100	I	Flanges	6		6	6	
				End of line	4		4	4	
	125 to 300	II	Flanges	6		6	6		
			End of line	4		4	4		
8 bar Nitrile	32 to 100	I	Flanges	8		8	8		
			End of line	6		6	6		
125 to 300	II	Flanges	8		8	8			
		End of line	6		6	6			
TILIS	EPR/PTFE	50 to 100	I	Flanges	10	10	10	10	10
				End of line	6	6	6	6	
		125 - 150	II	Flanges	10	10	10	10	10
				End of line	6	6	6	6	
		200 to 300	II	Flanges	6	6	6	6	6
				End of line	4	4	4	4	
LYCENE	PTFE/Silicone	40 to 100	I	Flanges	10	10	10	10	10
				End of line	6	6	6	6	
		125 to 300	II	Flanges	10	10	10	10	10
				End of line	6	6	6	6	
EMARIS	50 bar PTFE reinforced	50 to 100	II	Flanges	50	50	50	50	50
				End of line	36	36	36	36	
		125	II	Flanges	50	50	50	28	40
				End of line	36	36	36	36	
		150	II	Flanges	50	50	50	23	33
				End of line	36	36	36	33	
200	II	Flanges	25	25	25	17,5	25		
		End of line	18	18	18	18			
250	II	Flanges	25	25	25	14	20		
		End of line	18	18	18	18			
300	II	Flanges	25	25	25	11,5	16,5		
		End of line	18	18	18	16,5			

For end of line use, the indicated pressures have been de-rated and are shown on the valve identification plate. Butterfly valves are not designed for use on the end of line for gas.

Important notice : the indicated temperature and pressure for the different category of fluids (L1/L2/G1/G2) are not a guarantee of use. Therefore, it is essential to validate the use of the products under given operating conditions with our technical department.

Chapter 5.11

Shut Off Valves - Ball Valves

This range will be subject to design and part changes during 2021, please contact your Watts representative for more information

3-PIECE BALL VALVES

INDUSTRY, HIGH TEMPERATURE, HIGH PRESSURE

PRESSURE PFA/PS in bar

BODY : 316 stainless steel, Full bore

BALL : 316 stainless steel

SEALS : PTFE reinforced with 25% of glass fibre

HANDLE : with locking system

APPROVAL :  PED 97/23/CE



5

Part Number	DN "	PFA mm water	PS				Cat	UV	
			L1	L2	G1	G2			
X3777 Female/Female									
149B 6041	1/4	8	63	63	63	63	63	3.3	1
149B 6042	3/8	10	63	63	63	63	63	3.3	1
149B 6043	1/2	15	63	63	63	63	63	3.3	1
149B 6044	3/4	20	63	63	63	63	63	3.3	1
149B 6045	1	25	63	63	63	63	63	3.3	1
149B 6046	1 1/4	32	63	63	63	63	63	II	1
149B 6047	1 1/2	40	63	63	63	63	63	II	1
149B 6048	2	50	40	40	40	40	40	II	1
149B 6049	2 1/2	65	25	25	25	25	25	II	1
149B 6050	3	80	25	25	25	25	25	II	1
149B 6051	4	100	25	25	25	25	25	II	1

BSP female threaded connection

X3777S Socket welding connection ends									
Part Number	DN "	PFA mm water	L1	L2	G1	G2	Cat	UV	
149B 6041S	1/4	8	63	63	63	63	63	3.3	1
149B 6042S	3/8	10	63	63	63	63	63	3.3	1
149B 6043S	1/2	15	63	63	63	63	63	3.3	1
149B 6044S	3/4	20	63	63	63	63	63	3.3	1
149B 6045S	1	25	63	63	63	63	63	3.3	1
149B 6046S	1 1/4	32	63	63	63	63	63	II	1
149B 6047S	1 1/2	40	63	63	63	63	63	II	1
149B 6048S	2	50	40	40	40	40	40	II	1
149B 6049S	2 1/2	65	25	25	25	25	25	II	1
149B 6050S	3	80	25	25	25	25	25	II	1
149B 6051S	4	100	25	25	25	25	25	II	1

Socketwelding



(continued)

INDUSTRY, HIGH TEMPERATURE, HIGH PRESSURE

PRESSURE PFA/PS in bar

BODY : 316 stainless steel. Full bore

BALL : 316 stainless steel

SEALS : PTFE reinforced with 25% of glass fibre

HANDLE : with locking system

APPROVAL : 



Part Number	DN	PFA	PS				Cat	UV	
	“ mm	water	L1	L2	G1	G2			
X3777B - Butt welding connection ends									
149B 6041B	1/4	8	63	63	63	63	63	3.3	1
149B 6042B	3/8	10	63	63	63	63	63	3.3	1
149B 6043B	1/2	15	63	63	63	63	63	3.3	1
149B 6044B	3/4	20	63	63	63	63	63	3.3	1
149B 6045B	1	25	63	63	63	63	63	3.3	1
149B 6046B	1 1/4	32	63	63	63	63	63	II	1
149B 6047B	1 1/2	40	63	63	63	63	63	II	1
149B 6048B	2	50	40	40	40	40	40	II	1
149B 6049B	2 1/2	65	25	25	25	25	25	II	1
149B 6050B	3	80	25	25	25	25	25	II	1
149B 6051B	4	100	25	25	25	25	25	II	1

Buttwelding

X3777V - female/female									
149B 6041V	1/4	8	63	63	63	63	63	3.3	1
149B 6042V	3/8	10	63	63	63	63	63	3.3	1
149B 6043V	1/2	15	63	63	63	63	63	3.3	1
149B 6044V	3/4	20	63	63	63	63	63	3.3	1
149B 6045V	1	25	63	63	63	63	63	3.3	1
149B 6046V	1 1/4	32	63	63	63	63	63	II	1
149B 6047V	1 1/2	40	63	63	63	63	63	II	1
149B 6048V	2	50	40	40	40	40	40	II	1
149B 6049V	2 1/2	65	25	25	25	25	25	II	1
149B 6050V	3	80	25	25	25	25	25	II	1
149B 6051V	4	100	25	25	25	25	25	II	1

BSP female threaded connection



INDUSTRY, HIGH TEMPERATURE, HIGH PRESSURE


PRESSURE PFA/PS in bar

BODY : carbon steel, Full bore

BALL : 304 stainless steel

SEALS : PTFE reinforced with 25% of glass fibre

HANDLE : with locking system

APPROVAL :  PED 97/23/CE

Part Number EPDM	DN “	mm	PFA water	PS		G1	G2	Cat	UV
				L1	L2				
X3444 - female/female									
149B 6052	1/4	8	63	63	63	63	63	3.3	1
149B 6053	3/8	10	63	63	63	63	63	3.3	1
149B 6054	1/2	15	63	63	63	63	63	3.3	1
149B 6055	3/4	20	63	63	63	63	63	3.3	1
149B 6056	1	25	63	63	63	63	63	3.3	1
149B 6057	1 1/4	32	63	63	63	63	63	II	1
149B 6058	1 1/2	40	63	63	63	63	63	II	1
149B 6059	2	50	40	40	40	40	40	II	1
149B 6060	2 1/2	65	25	25	25	25	25	II	1
149B 6061	3	80	25	25	25	25	25	II	1
149B 6062	4	100	25	25	25	25	25	II	1

BSP female threaded connection

X3444S - Socket welding connection ends

149B 6052S	1/4	8	63	63	63	63	63	3.3	1
149B 6053S	3/8	10	63	63	63	63	63	3.3	1
149B 6054S	1/2	15	63	63	63	63	63	3.3	1
149B 6055S	3/4	20	63	63	63	63	63	3.3	1
149B 6056S	1	25	63	63	63	63	63	3.3	1
149B 6057S	1 1/4	32	63	63	63	63	63	II	1
149B 6058S	1 1/2	40	63	63	63	63	63	II	1
149B 6059S	2	50	40	40	40	40	40	II	1
149B 6060S	2 1/2	65	25	25	25	25	25	II	1
149B 6061S	3	80	25	25	25	25	25	II	1
149B 6062S	4	100	25	25	25	25	25	II	1

Socketwelding

X3444B - Butt welding connection ends

149B 6052B	1/4	8	63	63	63	63	63	3.3	1
149B 6053B	3/8	10	63	63	63	63	63	3.3	1
149B 6054B	1/2	15	63	63	63	63	63	3.3	1
149B 6055B	3/4	20	63	63	63	63	63	3.3	1
149B 6056B	1	25	63	63	63	63	63	3.3	1
149B 6057B	1 1/4	32	63	63	63	63	63	II	1
149B 6058B	1 1/2	40	63	63	63	63	63	II	1
149B 6059B	2	50	40	40	40	40	40	II	1
149B 6060B	2 1/2	65	25	25	25	25	25	II	1
149B 6061B	3	80	25	25	25	25	25	II	1
149B 6062B	4	100	25	25	25	25	25	II	1

Buttwelding



OVERALL DIMENSIONS & TECHNICAL INFORMATION

X3777 & X3444



female/female
Types X3777-X3777S-
X3777B*-X3777V-
X3444-X3444S-
X3444B*

DN		A	B	B*	C	D	E	X	F	Kg
"	mm	mm	mm	mm	mm	mm	mm	mm	mm	
1/4	8	11	65(1)	65(1)	105	58	14,2	10	18,5	0,40
3/8	10	12,5	65(1)	65(1)	105	58	17,6	10	18,5	0,40
1/2	15	15	74	74	105	58	21,8	13	22,5	0,68
3/4	20	20	83	83	105	60	27,2	15	28,5	0,96
1	25	25,4	94	94	125	68	33,9	15	34,5	1,35
1 1/4	32	32	109	111	125	72	42,7	15	43,5	2,50
1 1/2	40	38	126	130	150	89	48,8	16	50	3,00
2	50	50	148	151	150	96	61,2	17	63	4,50
2 1/2	65	65	180	185	260	126	77,0	17	86	8,00
3	80	80	202	212	260	146	89,8	17	91	14,20
4	100	100	233	268	280	180	115,3	20	117	21,50

B* = 74 mm

BALL VALVE :
PRESSURE TEMPERATURE CHART

