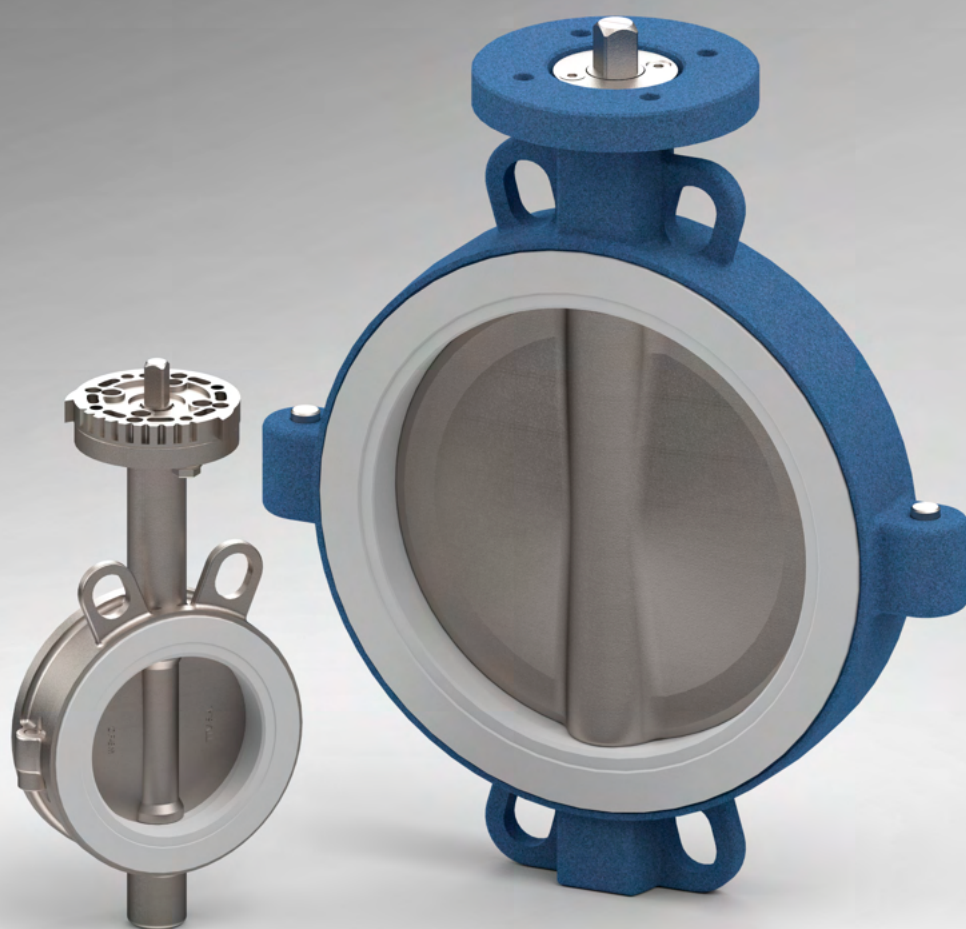




Butterfly valves

PTFE split body

► Technical Data

Manufacturing range	DN32 – DN600
Face to face	EN 558 Series 20 ISO 5752 Series 20 API 609 EN 593
Mounting between	PN10/16-ANSI150 Lbs.
Flanges	ISO 7005, DIN 2501, EN 1092-1 ANSI Class 150: ANSI B16.5
Top Flange	ISO 5211
Tightness Test	ISO 5208, zero leakage API 598
Coating	Steel /
Working Pressure	DN32 – DN200 max. 16 bar. DN250 - DN600 max. 12 bar.



► Features

- Certified and approved valves for different applications.
- Zero leakage.
- Replaceable or vulcanized seat.
- One-piece shaft, complete protection of shaft and body against circulating fluids.
- Bi-directional flow.
- Self-cleaning.
- Lightweight design, easy installation.
- Easy maintenance.
- Possibility of operation through different controls (lever control, reducer, pneumatic actuator, electric, hydraulic...)
- Aerodynamic disc design minimizes pressure loss.
- PTFE-seated butterfly valve suitable for toxic and highly corrosive environments.
- FDA approved material.
- Split body for easy maintenance.
- Double design: stainless steel butterfly or PTFE coated butterfly.
- Minimum PTFE coating of 3 mm ensures optimum permeability of the disc and shaft.
- Ta-Luft (VDI 2440) design.
- Suitable for vacuum service.

► General Applications

Water:

- Irrigation
- Drinking water
- Seawater
- Water supply
- Industrial water
- Wastewater
- Fire protection systems
- Cooling towers

Industry:

- Alimentary
- Paper mills
- Toxics
- Adhesives
- Pharmaceutical
- Hazardous Materials (EN 14432)
- Chlorine
- Mining
- Gasoline



Torque valves (Nm)

DN		Torque (Nm)	
mm	in	STAINLESS STEEL BUTTERFLY	PTFE BUTTERFLY
32	1 1/4"	21	25
40	1 1/2"	21	25
50	2"	35	40
65	2 1/2"	38	45
80	3"	70	75
100	4"	80	90
125	5"	143	160
150	6"	160	180
200	8"	206	230
250	10"	315	350
300	12"	550	610
350	14"	3640	2400
400	16"	4550	2535
450	18"	5200	2730
500	20"	5980	4160
600	24"	10400	6650

All tightening torques given in the table have been tested in wet operation.
For dry service (dry gaseous medium, non-lubricating) multiply the values by 1.15.
For lubricated service (clean, non-abrasive lubricating medium) multiply the values by 0.85.

Kv data

STAINLESS STEEL BUTTERFLY					
DN	10°	30°	50°	70°	90°
32-40	3	8	25	45	70
50	3	14	37	90	160
65	5	18	48	135	195
80	6	29	85	220	345
100	10	45	140	335	611
125	17	70	230	520	901
150	25	101	312	850	1395
200	33	203	525	1345	2455
250	40	311	814	2195	3825
300	62	460	1311	2705	5755
350	85	595	1725	4112	8005
400	108	750	2301	5942	10108
450	130	995	2845	7585	12235
500	170	1255	3742	9415	15997
600	255	1812	5125	13542	22102

PTFE BUTTERFLY					
DN	10°	30°	50°	70°	90°
32-40	3	7	23	42	68
50	3	12	34	85	153
65	5	15	47	130	188
80	6	25	80	213	338
100	10	42	134	328	601
125	17	64	228	515	894
150	25	94	302	834	1359
200	33	198	517	1321	2401
250	40	301	807	2175	3707
300	62	451	1310	2703	5685
350	85	585	1611	4019	8005
400	108	742	2234	5847	10094
450	130	984	2715	7485	12125
500	170	1125	3615	9325	15844
600	255	1742	5007	13215	22054

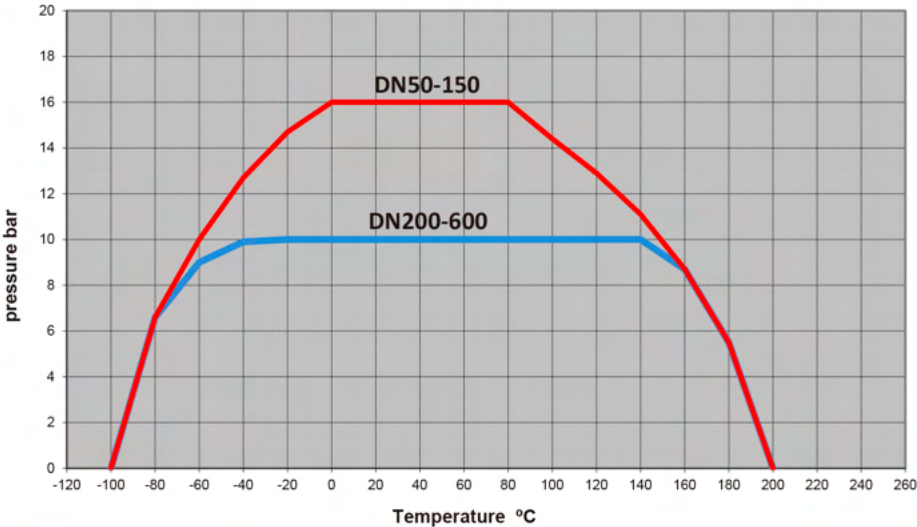
Kv: Volume of water in m³/h, which will flow through a restriction or valve with a pressure drop of 1 bar at 20°C.

Cv= 1.16 • Kv

For further data and information, please contact the Technical Department.

Temperature and resistance table:

Name	Applications	Limitations	Temp. Rating
PTFE	Pharmaceuticals, pure water, toxic chemicals.	Not recommended for abrasive fluids and corrosive gases.	Marip. PTFE -25°C to 220°C Marip. SS -40°C to 220°C



Valve code: Ej.: 20WP9540 N0

Body Material		Serie		Valve Type		Shaft Material		Disc Material		Seat Material	
20		W				95		40		FO	
20	GJ5500-7	W	Wafer	P	TEFLON SPLIT BODY	40	AISI 316	40	CF-8M	F0	PTFE
40	CF-8M	L	Lug			95	17 4PH	80	B-148 C95500	PU	POLIETILENO UHMWPE
50	WCB							91	CA-15		
								95	17-4 PH		
								D0	1.4470		
								D1	1.4517		
								H0	HASTELLOY C		
								U0	URANUS B6		
								S7	CK3MCuN		
								95T	17 4PH + PTFE		
								D0T	1.4470 + PTFE		
								40T	CF-8M + PTFE		

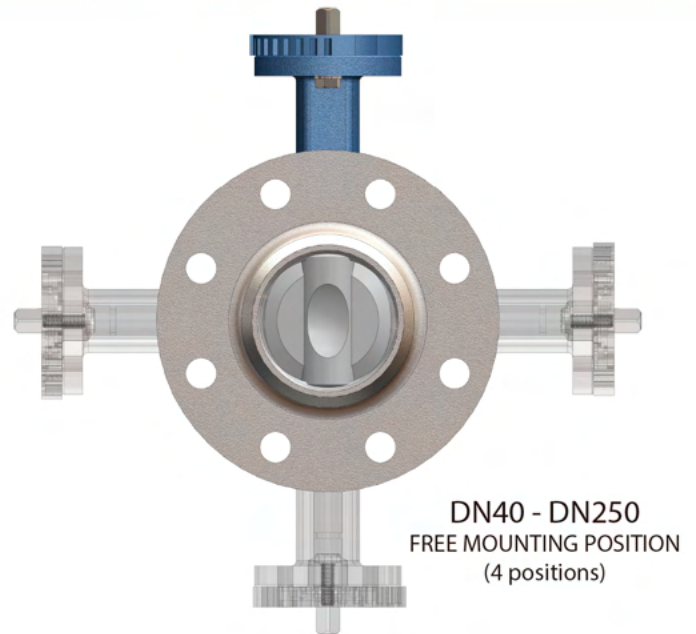
► Valve assembly and position

1.- Wafer valve assembly

Normally the valves are supplied slightly open. Check that they are open before mounting. Once the space to accommodate the valve has been checked, the valve is aligned in the pipeline. Next, some stud bolts are positioned to relate it to the pipeline.

Afterwards, the butterfly is opened completely at 90° and the rest of the stud bolts are placed with their nuts. Finally, all the nuts are tightened by triangulation in order to leave all the studs uniformly tightened and not to produce deformations in the elastomer.

Finally, check that the valve closes and opens normally.

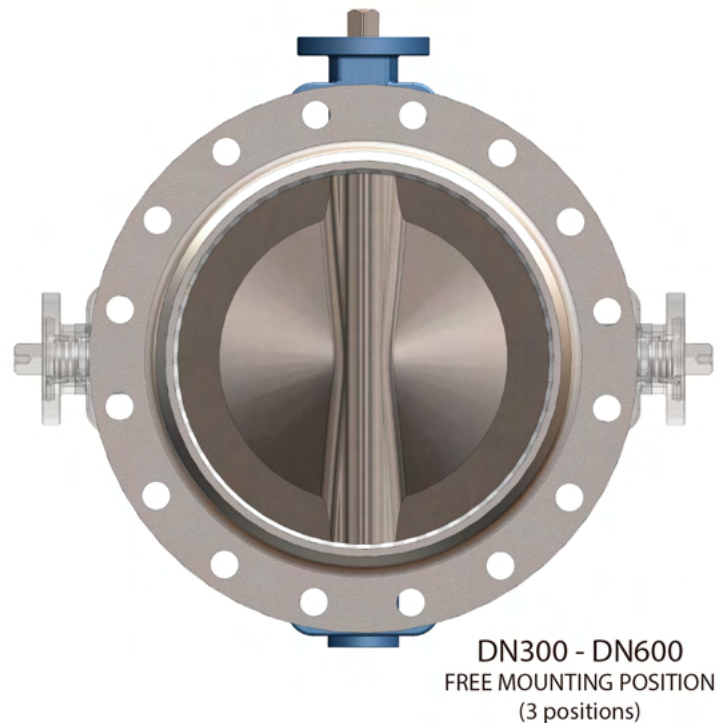


2.-Lug valves assembly

The same as with wafer valves, except that these valves must be mounted with bolts whose length allows perfect tightening between the pipe flanges, and cannot be longer than the corresponding length.

Mounting position

The valves are bi-directional. They can be mounted on the desired side, as it is not necessary to keep the flow direction.



► Assembly warnings

- The elastomer areas must be clean and free of dirt.
- The space to house the valve must be large enough to avoid damaging the elastomer when inserting the valve.
- Take care not to hit or scratch the valve during assembly; this could damage the paint.
- When installing heavy valves, make sure that the eyebolts and slings comply with the relevant safety approvals.





All our valves can be operated through different manual operators and actuators.

We offer assembly, regulation and testing services for electric or pneumatic actuators and accessories, such as positioners, limit switch boxes or solenoid valves.

Different types of drives:

1. Coupling flange ISO 5211
2. Strutural for controls and accessories.
3. ISO 5211 Colossus valve support with various connections.
4. Coupling bushings for controls and accessories.





► Dimensiones válvulas / Valve dimensions

FIG. 1 DN32-400

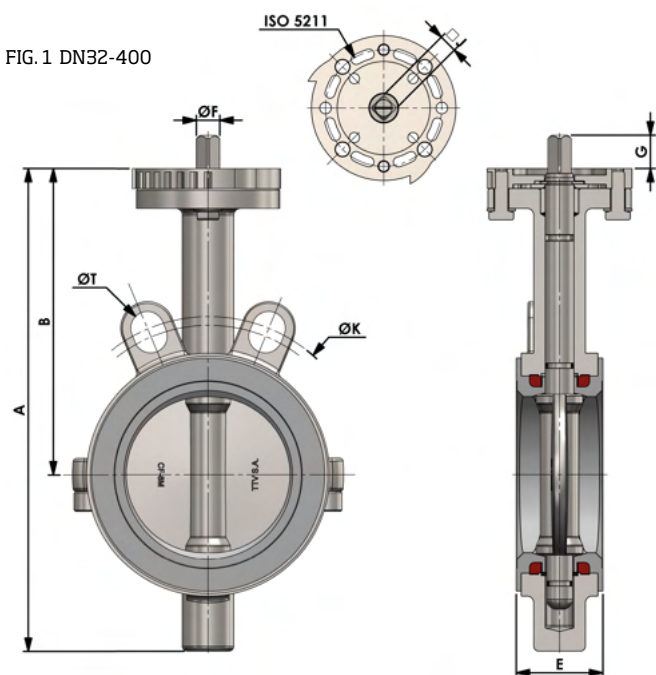
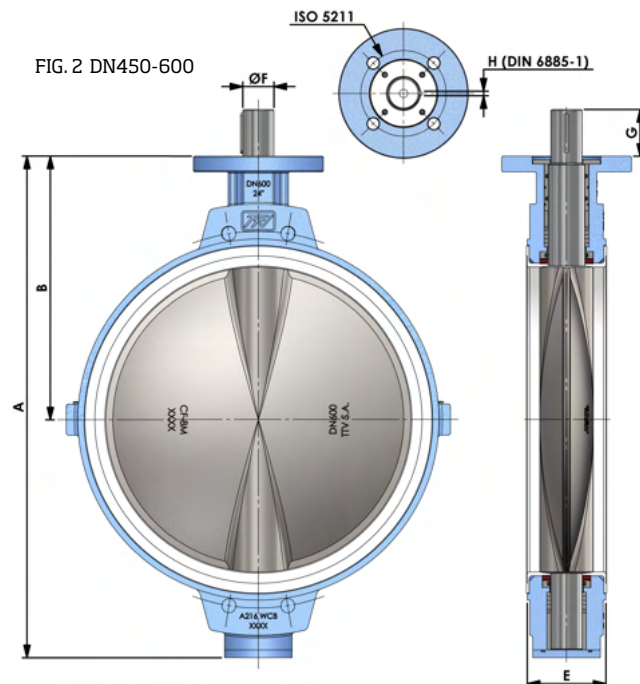


FIG. 2 DN450-600

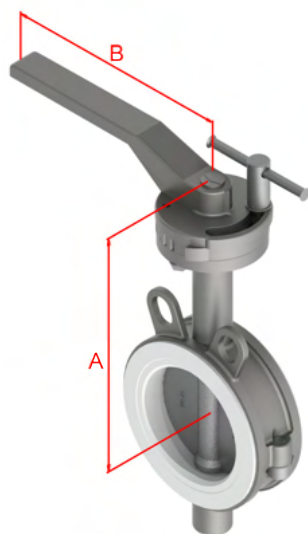


Dimensiones válvulas / Valves dimensions										PN10		PN16		ANSI150	
DN		A	B	E	F	G	J	ISO 5211	Peso Weight (Kg)	K	Taladros Holes	K	Taladros Holes	K	Taladros Holes
mm	In										N°xT		N°xT		N°xT
FIG. 1 DN32-400															
32	1 1/4"	206	140	33	9,8	14	8	F05/07	2	100	4x18	100	4x18	88,9	4x16
40	1 1/2"	206	140	33	9,8	14	8	F05/07	2	110	4x18	110	4x18	98,5	4x16
50	2"	228	156	43	9,8	14	8	F05/07	3,5	125	4x18	125	4x18	120,6	4x19
65	2 1/2"	248	161	46	12	16	9	F05/07	4,5	145	4x18	145	4x18	139,7	4x19
80	3"	265	169	46	14	16	11	F05/07	5	160	4x18	160	4x18	152,4	4x19
100	4"	298	187	52	14	20	11	F05/07	6,5	180	4x18	180	4x18	190,5	4x19
125	5"	331	206	56	18	20	14	F07	8	210	4x18	210	4x18	215,9	4x23
150	6"	349	215	56	18	20	14	F07	9	240	4x23	240	4x23	241,3	4x23
200	8"	430	255	60	22	24	17	F07	15	295	4x23	295	4x23	298,5	4x23
250	10"	461	248	68	25	24	19	F10	21,5	350	4x23	355	4x27	362	4x26
300	12"	524	280	78	28	24	22	F10	30	400	4x23	410	4x27	431,8	4x26
350	14"	570	300	78	28	29	22	F14	39	460	4x23	470	4x27	476,3	4x29
400	16"	644	340	102	35	29	27	F14	52	515	4x27	525	4x30	539,8	4x29
FIG. 2 DN450-600															
450	18"	736	390	114	50	80	-	F14	87	565	4xM24	585	4xM27	577,9	4x1 1/8"
500	20"	825	440	127	50	80	-	F14	117	620	4xM24	650	4xM30	635	4x1 1/8"
600	24"	965	507	154	60	90	-	F16	177	725	4xM27	770	4xM33	749,3	4x1 1/4"

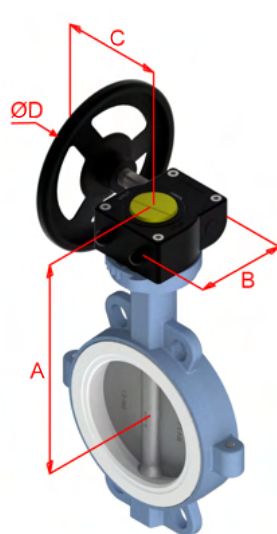
Wafer PTFE - CF-8M

► Válvula con accesorios / Valve with accessories

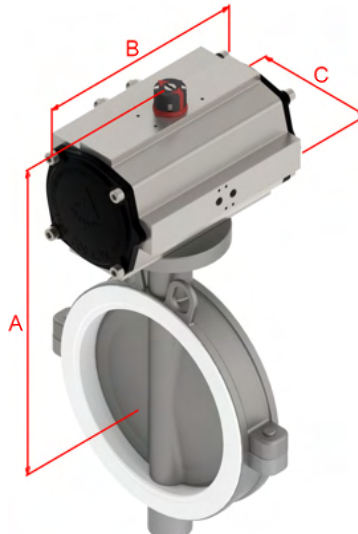
Mando palanca
Lever-operated



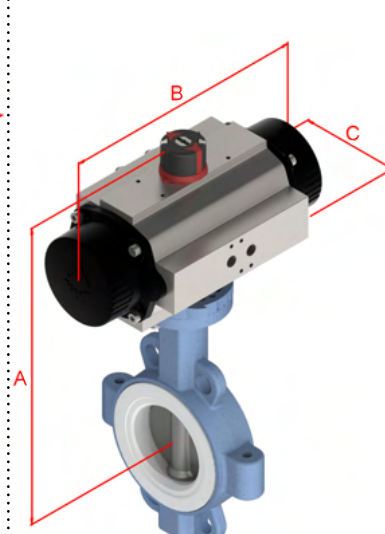
Reductor
Worm-gear



Actuador neumático doble efecto
Double acting actuator



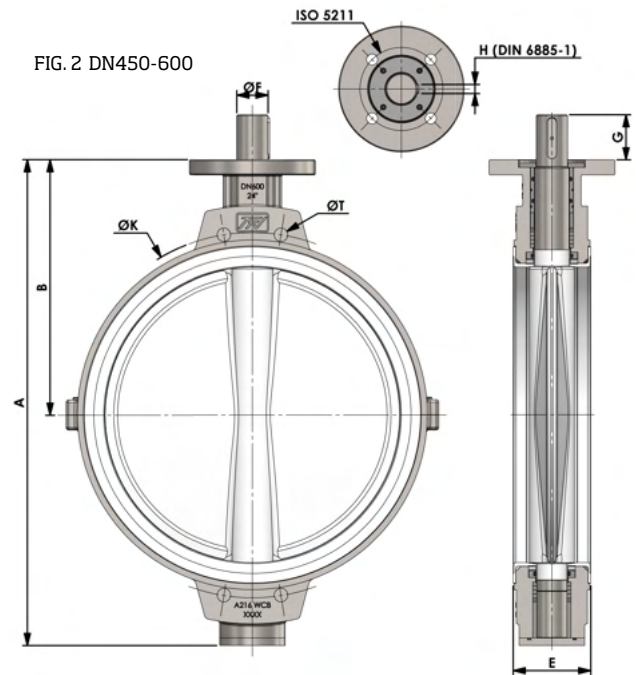
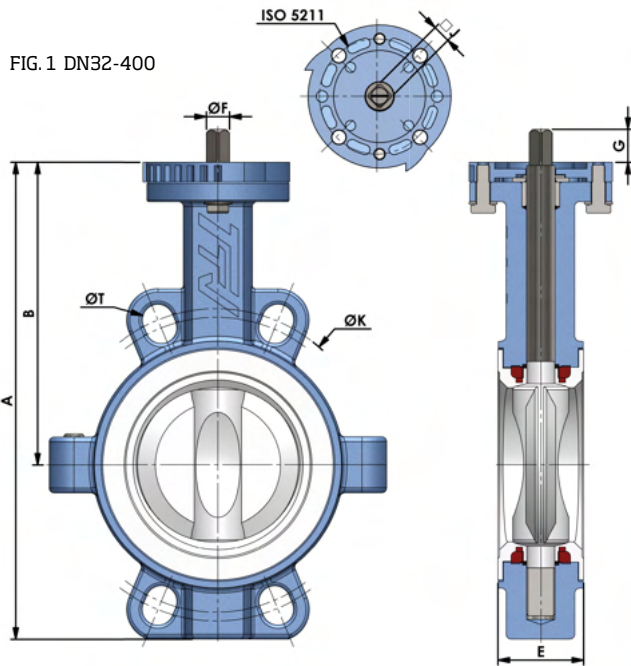
Actuador neumático simple efecto
Spring Return Actuator



Diámetro nominal		Mando palanca			Reductor					Actuador neumático doble efecto					Actuador neumático simple efecto				
Nominal size		Lever-operated			Worm-gear					Double acting actuator					Spring return actuator				
(mm)	In	A	B	Peso Weight	A	B	C	ØD	Peso Weight	A	B	C	Modelo Model	Peso Weight	A	B	C	model	Peso Weight
32	1 1/4"	170	205	2,5	198	128	116	140	3,5	255	158	91	ADA40	4	277	217	111	ASR80	5,5
40	1 1/2"	170	205	2,5	198	128	116	140	3,5	255	158	91	ADA40	4	277	217	111	ASR80	5,5
50	2"	186	205	4	214	128	116	140	5	271	158	91	ADA40	5,5	303	258	122	ASR130	8
65	2 1/2"	191	205	5	219	128	116	140	6	298	177	111	ADA80	7,5	308	258	122	ASR130	9
80	3"	199	205	5,5	227	128	116	140	6,5	306	177	111	ADA80	8	351	348,5	152,5	ASR300	15,5
100	4"	217	205	7	245	128	116	140	8	334	196	122	ADA130	10,5	369	348,5	152,5	ASR300	17
125	5"	235	330	9,5	264	128	120	200	10	371	225	135,5	ADA200	13,5	405	397	173	ASR500	23
150	6"	245	330	10,5	273	128	120	200	11	380	225	135,5	ADA200	14,5	414	397	173	ASR500	24
200	8"	285	330	16,5	313	128	120	200	17	440	273	152,5	ADA300	23,5	491	473	191,5	ASR850	36,5
250	10"	331	600	25	322	175	223	300	25,5	447	304	173	ADA500	33	497	560	212,5	ASR1200	54,5
300	12"	363	600	33	354	175	223	300	34	501	372	191,5	ADA850	47	666	601	242,5	ASR1750	74,5
350	14"	-	-	-	398	224	322	400	48,5	549	439	212,5	ADA1200	65	683	738	356	ASR2500	135,5
400	16"	-	-	-	438	224	322	400	61,5	620	461	242,5	ADA1750	84,5	723	738	356	ASR2500	148,5
450	18"	-	-	-	486	226	381	600	106	703	510	276,5	ADA2100	138	-	-	-	-	-
500	20"	-	-	-	542	258	402	600	144	823	518	356	ADA2500	186,5	-	-	-	-	-
600	24"	-	-	-	630	322,5	447	700	216	941	630	415	ADA4000	306,5	-	-	-	-	-

Wafer PTFE - PTFE

► Dimensiones válvulas / Valve dimensions

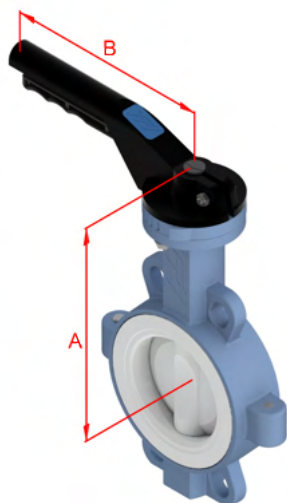


Dimensiones válvulas / Valves dimensions										PN10		PN16		ANSI150	
DN		A	B	E	F	G	J	ISO 5211	Peso Weight (Kg)	K	Taladros Holes	K	Taladros Holes	K	Taladros Holes
mm	In										N°xT		N°xT		N°xT
FIG. 1 DN32-400															
32	1 1/4"	206	140	33	9,8	14	8	F05/07	1,5	100	4x18	100	4x18	88,9	4x16
40	1 1/2"	206	140	33	9,8	14	8	F05/07	1,5	110	4x18	110	4x18	98,5	4x16
50	2"	228	156	43	9,8	14	8	F05/07	3	125	4x18	125	4x18	120,6	4x19
65	2 1/2"	248	161	46	12	16	9	F05/07	4	145	4x18	145	4x18	139,7	4x19
80	3"	265	169	46	14	16	11	F05/07	4,5	160	4x18	160	4x18	152,4	4x19
100	4"	298	187	52	14	20	11	F05/07	5,5	180	4x18	180	4x18	190,5	4x19
125	5"	331	206	56	18	20	14	F07	7	210	4x18	210	4x18	215,9	4x23
150	6"	349	215	56	18	20	14	F07	8	240	4x23	240	4x23	241,3	4x23
200	8"	430	255	60	22	24	17	F07	14	295	4x23	295	4x23	298,5	4x23
250	10"	461	248	68	25	24	19	F10	20,5	350	4x23	355	4x27	362	4x26
300	12"	524	280	78	28	24	22	F10	29	400	4x23	410	4x27	431,8	4x26
350	14"	570	300	78	28	29	22	F14	37,5	460	4x23	470	4x27	476,3	4x29
400	16"	644	340	102	35	29	27	F14	50,5	515	4x27	525	4x30	539,8	4x29
FIG. 2 DN450-600															
450	18"	736	390	114	50	80	-	F14	85	565	4xM24	585	4xM27	577,9	4x1 1/8"
500	20"	825	440	127	50	80	-	F14	115	620	4xM24	650	4xM30	635	4x1 1/8"
600	24"	965	507	154	60	90	-	F16	175	725	4xM27	770	4xM33	749,3	4x1 1/4"

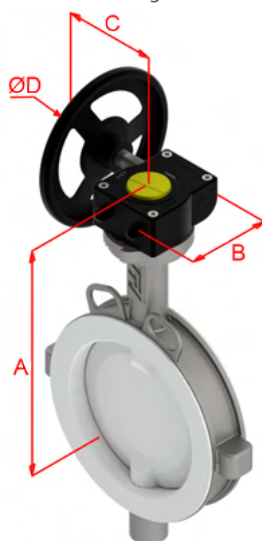
Wafer PTFE - PTFE

► Válvula con accesorios / Valve with accessories

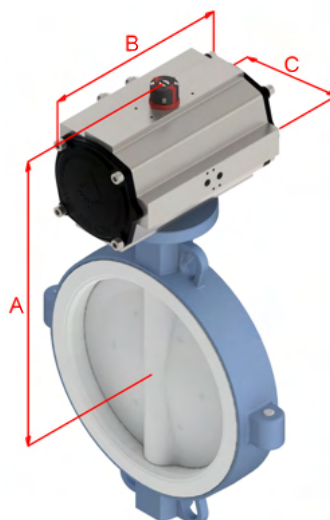
Mando palanca
Lever-operated



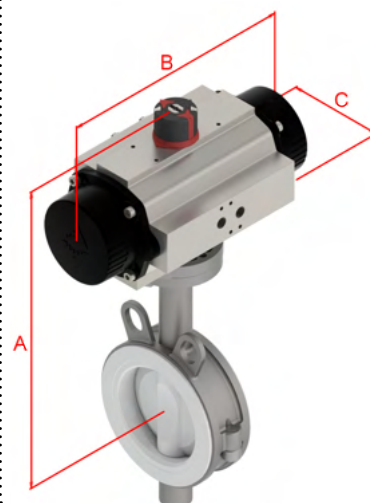
Reductor
Worm-gear



Actuador neumático doble efecto
Double acting actuator



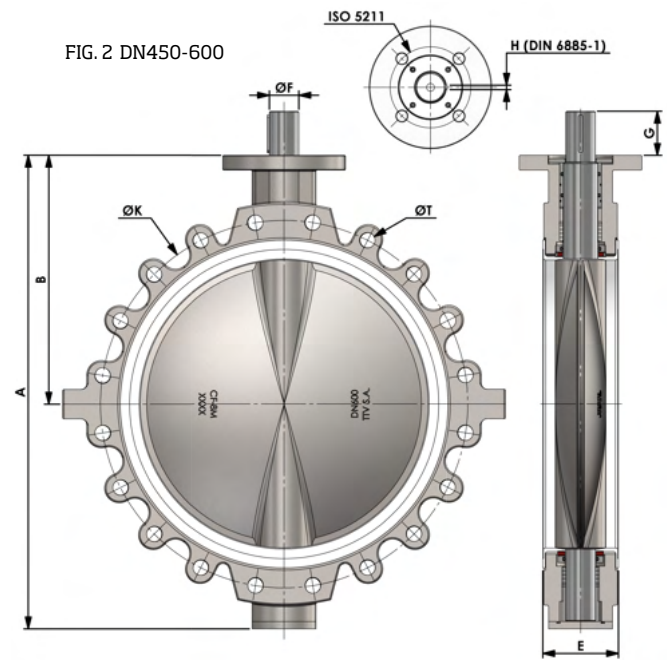
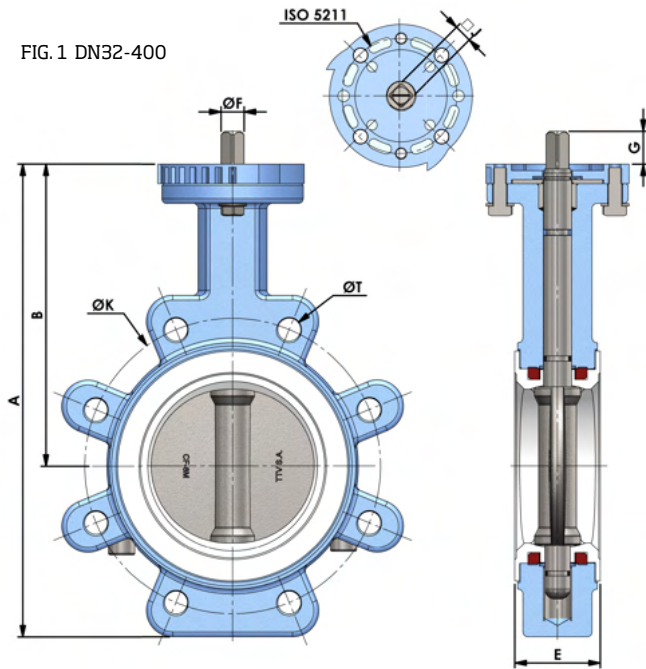
Actuador neumático simple efecto
Spring Return Actuator



Diámetro nominal		Mando palanca			Reductor					Actuador neumático doble efecto					Actuador neumático simple efecto				
Nominal size		Lever-operated			Worm-gear					Double acting actuator					Spring return actuator				
(mm)	In	A	B	Peso Weight	A	B	C	ØD	Peso Weight	A	B	C	Modelo Model	Peso Weight	A	B	C	model	Peso Weight
32	1 1/4"	170	205	2	198	128	116	140	3	255	158	91	ADA40	3,5	277	217	111	ASR80	5
40	1 1/2"	170	205	2	198	128	116	140	3	255	158	91	ADA40	3,5	277	217	111	ASR80	5
50	2"	186	205	3,5	214	128	116	140	4,5	271	158	91	ADA40	5	303	258	122	ASR130	8
65	2 1/2"	191	205	4,5	219	128	116	140	5,5	298	177	111	ADA80	7	308	258	122	ASR130	9
80	3"	199	205	5	227	128	116	140	6	306	177	111	ADA80	7,5	334	299	135,5	ASR200	12,5
100	4"	217	205	6,5	245	128	116	140	7,5	334	196	122	ADA130	10	369	348,5	152,5	ASR300	16,5
125	5"	235	330	8,5	264	128	120	200	9	371	225	135,5	ADA200	12,5	405	397	173	ASR500	22
150	6"	245	330	9,5	273	128	120	200	10	380	225	135,5	ADA200	13,5	414	397	173	ASR500	23
200	8"	285	330	15,5	313	128	120	200	18	440	273	152,5	ADA300	22,5	476	473	191,5	ASR850	36
250	10"	331	600	24	322	175	223	300	24,5	447	304	173	ADA500	23	497	560	212,5	ASR1200	54
300	12"	363	600	32	354	175	223	300	33	501	372	191,5	ADA850	46	560	601	242,5	ASR1750	73,5
350	14"	-	-	-	398	224	322	400	47	613	510	276,5	ADA2100	87	734	940	415	ASR4000	215
400	16"	-	-	-	438	224	322	400	60	723	518	356	ADA2500	120	-	-	-	-	-
450	18"	-	-	-	486	226	381	600	104	773	518	356	ADA2500	154,5	-	-	-	-	-
500	20"	-	-	-	542	258	402	600	142	874	630	415	ADA4000	244,5	-	-	-	-	-
600	24"	-	-	-	630	322,5	447	700	214	941	630	415	ADA4000	304,5	-	-	-	-	-

Lug PTFE - CF-8M

► Dimensiones válvulas / Valve dimensions

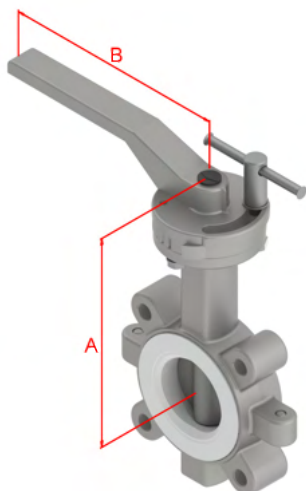


Dimensiones válvulas / Valves dimensions										PN10		PN16		ANSI150	
DN		A	B	E	F	G	J	ISO 5211	Peso Weight (Kg)	K	Taladros Holes	K	Taladros Holes	K	Taladros Holes
mm	In										N°xT		N°xT		
FIG. 1 DN32-400															
32	1 1/4"	206	140	33	9,8	14	8	F05/07	3	100	4xM16	100	4xM16	88,9	4x1/2"
40	1 1/2"	206	140	33	9,8	14	8	F05/07	3	110	4xM16	110	4xM16	98,5	4x1/2"
50	2"	228	156	43	9,8	14	8	F05/07	3,5	125	4xM16	125	4xM16	120,6	4x5/8"
65	2 1/2"	248	161	46	12	16	9	F05/07	4,5	145	4xM16	145	4xM16	139,7	4x5/8"
80	3"	265	169	46	14	16	11	F05/07	6,5	160	8xM16	160	8xM16	152,4	4x5/8"
100	4"	298	187	52	14	20	11	F05/07	8	180	8xM16	180	8xM16	190,5	8x5/8"
125	5"	331	206	56	18	20	14	F07	11	210	8xM16	210	8xM16	215,9	8x3/4"
150	6"	349	215	56	18	20	14	F07	12	240	8xM20	240	8xM20	241,3	8x3/4"
200	8"	430	255	60	22	24	17	F07	18,5	295	8xM20	295	12xM20	298,5	8x3/4"
250	10"	461	248	68	25	24	19	F10	28,5	350	12xM20	355	12xM24	362	12x7/8"
300	12"	524	280	78	28	24	22	F10	42	400	12xM20	410	12xM24	431,8	12x7/8"
350	14"	570	300	78	28	29	22	F14	53	460	16xM20	470	16xM24	476,3	12x1"
400	16"	644	340	102	35	29	27	F14	77	515	16xM24	525	16xM27	539,8	16x1"
FIG. 2 DN450-600															
450	18"	736	390	114	50	80	-	F14	110	565	20xM24	585	20xM27	577,9	16x1 1/8"
500	20"	825	440	127	50	80	-	F14	135	620	20xM24	650	20xM30	635	20x1 1/8"
600	24"	965	507	154	60	90	-	F16	210	725	20xM27	770	20xM33	749,3	20x1 1/4"

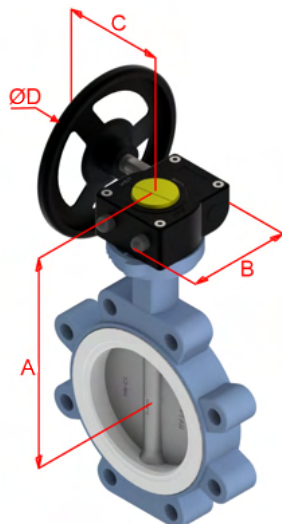
Lug PTFE - CF-8M

► Válvula con accesorios / Valve with accessories

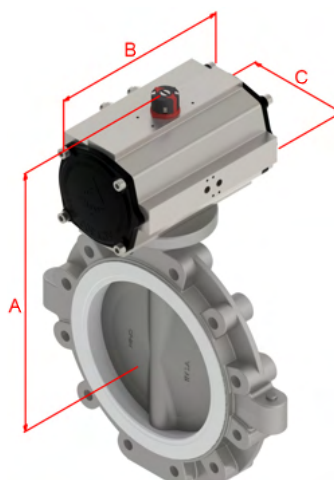
Mando palanca
Lever-operated



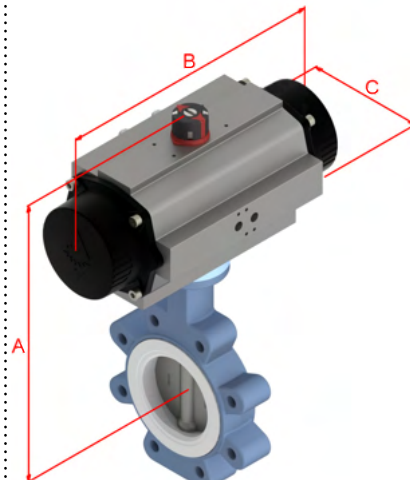
Reductor
Worm-gear



Actuador neumático doble efecto
Double acting actuator



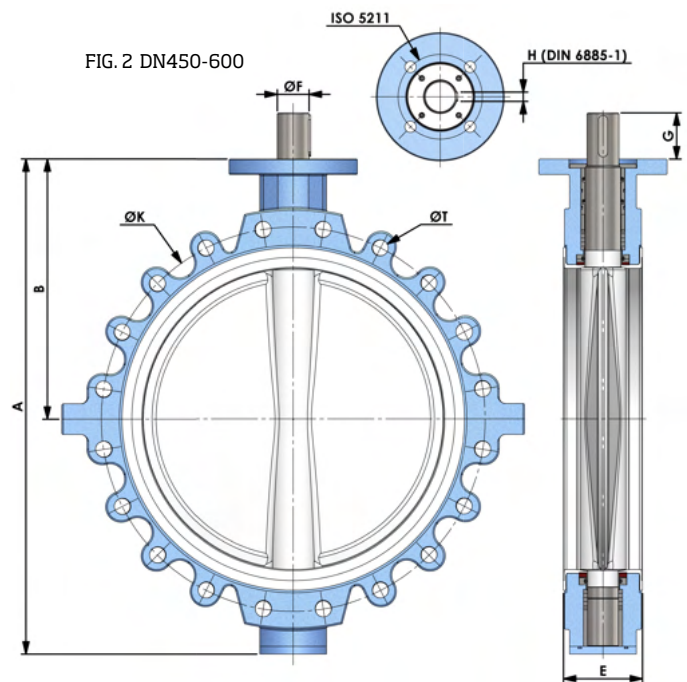
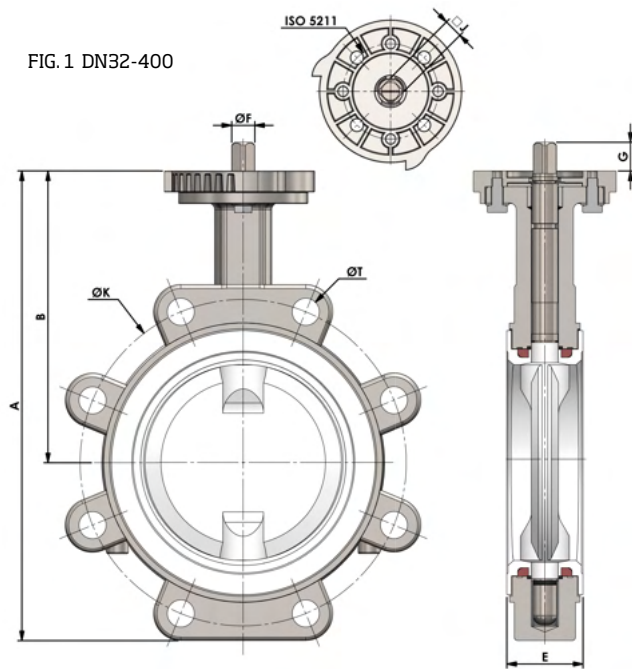
Actuador neumático simple efecto
Spring Return Actuator



Diámetro nominal		Mando palanca			Reductor					Actuador neumático doble efecto					Actuador neumático simple efecto				
Nominal size		Lever-operated			Worm-gear					Double acting actuator					Spring return actuator				
(mm)	In	A	B	Peso Weight	A	B	C	ØD	Peso Weight	A	B	C	Modelo Model	Peso Weight	A	B	C	model	Peso Weight
32	1 1/4"	170	205	3,5	198	128	116	140	4,5	255	158	91	ADA40	5	277	217	111	ASR80	6,5
40	1 1/2"	170	205	3,5	198	128	116	140	4,5	255	158	91	ADA40	5	277	217	111	ASR80	6,5
50	2"	186	205	4	214	128	116	140	5	271	158	91	ADA40	5,5	303	258	122	ASR130	8
65	2 1/2"	191	205	5	219	128	116	140	6	298	177	111	ADA80	7,5	308	258	122	ASR130	9
80	3"	199	205	7	227	128	116	140	8	306	177	111	ADA80	9,5	351	348,5	152,5	ASR300	17
100	4"	217	205	8,5	245	128	116	140	9,5	334	196	122	ADA130	12	369	348,5	152,5	ASR300	18,5
125	5"	235	330	12	264	128	120	200	13	371	225	135,5	ADA200	16,5	405	397	173	ASR500	26
150	6"	245	330	13	273	128	120	200	14	380	225	135,5	ADA200	17,5	414	397	173	ASR500	27
200	8"	285	330	19,5	313	128	120	200	20,5	440	273	152,5	ADA300	27	491	473	191,5	ASR850	40
250	10"	331	600	31	322	175	223	300	32,5	447	304	173	ADA500	40	497	560	212,5	ASR1200	62
300	12"	363	600	44,5	354	175	223	300	46	501	372	191,5	ADA850	59	666	601	242,5	ASR1750	86,5
350	14"	-	-	-	398	224	322	400	62,5	549	439	212,5	ADA1200	79	683	738	356	ASR2500	149,5
400	16"	-	-	-	438	224	322	400	86,5	620	461	242,5	ADA1750	109,5	723	738	356	ASR2500	173,5
450	18"	-	-	-	486	226	381	600	129	703	510	276,5	ADA2100	160	-	-	-	-	-
500	20"	-	-	-	542	258	402	600	162	823	518	356	ADA2500	204,5	-	-	-	-	-
600	24"	-	-	-	630	322,5	447	700	248,5	941	630	415	ADA4000	339,5	-	-	-	-	-

Lug PTFE - PTFE

► Dimensiones válvulas / Valve dimensions

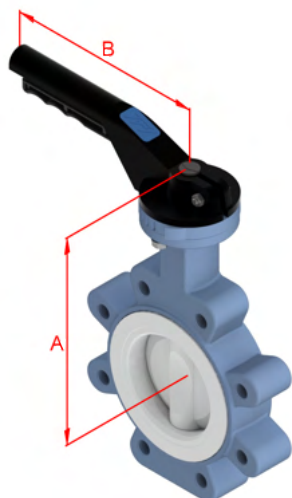


Dimensiones válvulas / Valves dimensions										PN10		PN16		ANSI150	
DN		A	B	E	F	G	J	ISO 5211	Peso Weight (Kg)	K	Taladros Holes	K	Taladros Holes	K	Taladros Holes
mm	In										N°xT		N°xT		
FIG. 1 DN32-400															
32	1 1/4"	206	140	33	9,8	14	8	F05/07	2,5	100	4xM16	100	4xM16	88,9	4x1/2"
40	1 1/2"	206	140	33	9,8	14	8	F05/07	2,5	110	4xM16	110	4xM16	98,5	4x1/2"
50	2"	228	156	43	9,8	14	8	F05/07	3	125	4xM16	125	4xM16	120,6	4x5/8"
65	2 1/2"	248	161	46	12	16	9	F05/07	4	145	4xM16	145	4xM16	139,7	4x5/8"
80	3"	265	169	46	14	16	11	F05/07	6	160	8xM16	160	8xM16	152,4	4x5/8"
100	4"	298	187	52	14	20	11	F05/07	7,5	180	8xM16	180	8xM16	190,5	8x5/8"
125	5"	331	206	56	18	20	14	F07	10	210	8xM16	210	8xM16	215,9	8x3/4"
150	6"	349	215	56	18	20	14	F07	11	240	8xM20	240	8xM20	241,3	8x3/4"
200	8"	430	255	60	22	24	17	F07	17,5	295	8xM20	295	12xM20	298,5	8x3/4"
250	10"	461	248	68	25	24	19	F10	27,5	350	12xM20	355	12xM24	362	12x7/8"
300	12"	524	280	78	28	24	22	F10	41	400	12xM20	410	12xM24	431,8	12x7/8"
350	14"	570	300	78	28	29	22	F14	51,5	460	16xM20	470	16xM24	476,3	12x1"
400	16"	644	340	102	35	29	27	F14	75,5	515	16xM24	525	16xM27	539,8	16x1"
FIG. 2 DN450-600															
450	18"	736	390	114	50	80	-	F14	105	565	20xM24	585	20xM27	577,9	16x1 1/8"
500	20"	825	440	127	50	80	-	F14	133	620	20xM24	650	20xM30	635	20x1 1/8"
600	24"	965	507	154	60	90	-	F16	208	725	20xM27	770	20xM33	749,3	20x1 1/4"

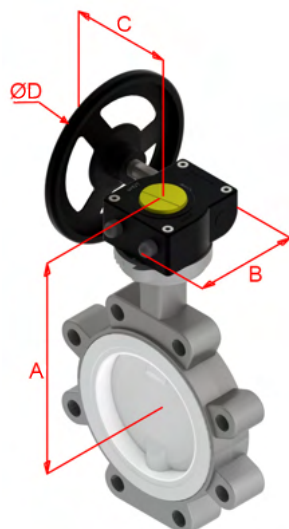
Lug PTFE - PTFE

► Válvula con accesorios / Valve with accessories

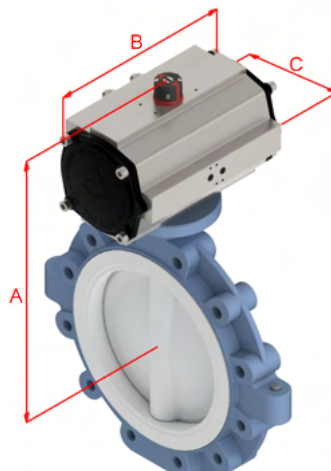
Mando palanca
Lever-operated



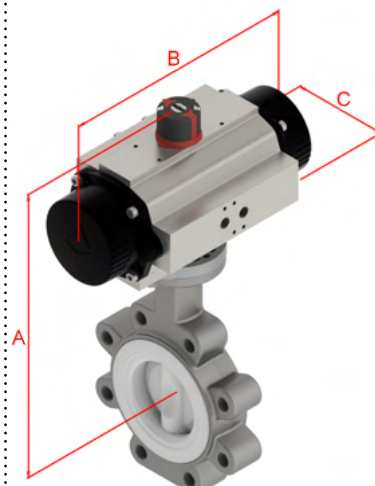
Reductor
Worm-gear



Actuador neumático doble efecto
Double acting actuator



Actuador neumático simple efecto
Spring Return Actuator



Diámetro nominal		Mando palanca			Reductor					Actuador neumático doble efecto					Actuador neumático simple efecto				
Nominal size		Lever-operated			Worm-gear					Double acting actuator					Spring return actuator				
(mm)	In	A	B	Peso Weight	A	B	C	ØD	Peso Weight	A	B	C	Modelo Model	Peso Weight	A	B	C	model	Peso Weight
32	1 1/4"	170	205	3	198	128	116	140	4	255	158	91	ADA40	4,5	277	217	111	ASR80	6
40	1 1/2"	170	205	3	198	128	116	140	4	255	158	91	ADA40	4,5	277	217	111	ASR80	6
50	2"	186	205	3,5	214	128	116	140	4,5	271	158	91	ADA40	5	303	258	122	ASR130	7,5
65	2 1/2"	191	205	4,5	219	128	116	140	5,5	298	177	111	ADA80	6	308	258	122	ASR130	8,5
80	3"	199	205	6,5	227	128	116	140	7,5	306	177	111	ADA80	9	334	299	135,5	ASR200	13
100	4"	217	205	8	245	128	116	140	9	334	196	122	ADA130	11,5	369	348,5	152,5	ASR300	18
125	5"	235	330	11	264	128	120	200	12	371	225	135,5	ADA200	15,5	405	397	173	ASR500	25
150	6"	245	330	12	273	128	120	200	13	380	225	135,5	ADA200	16,5	414	397	173	ASR500	26
200	8"	285	330	18,5	313	128	120	200	19,5	440	273	152,5	ADA300	26	476	473	191,5	ASR850	39
250	10"	331	600	30	322	175	223	300	31,5	447	304	173	ADA500	39	497	560	212,5	ASR1200	60,5
300	12"	363	600	43,5	354	175	223	300	45	501	372	191,5	ADA850	58	560	601	242,5	ASR1750	85,5
350	14"	-	-	-	398	224	322	400	61	613	510	276,5	ADA2100	101	734	940	415	ASR4000	228,5
400	16"	-	-	-	438	224	322	400	85	723	518	356	ADA2500	145	-	-	-	-	-
450	18"	-	-	-	486	226	381	600	127	773	518	356	ADA2500	177,5	-	-	-	-	-
500	20"	-	-	-	542	258	402	600	160	874	630	415	ADA4000	262,5	-	-	-	-	-
600	24"	-	-	-	630	322,5	447	700	246,5	941	630	415	ADA4000	337,5	-	-	-	-	-