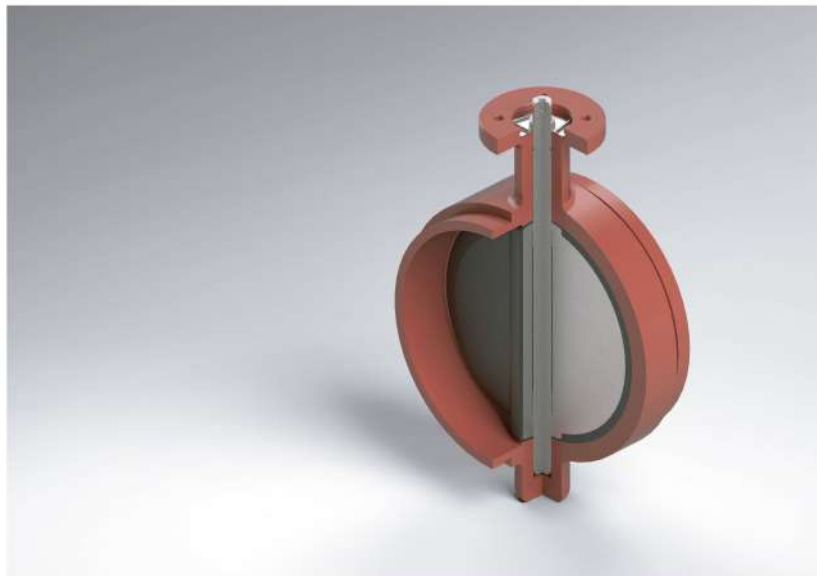




Butterfly valves
Grooved

► Technical Details

Manufacturing range	DN50 – DN300
Distance between faces	MSS SP 67
Mounting between flanges	ANSI/AWWA C606-97 ANSI 3616, ISO 4200
Flanges	ANSI B3610, DIN 2448 BS 1387, BS 3600
Top flange connection	ISO 5211
Tests	ISO 5208, zero leakage API 598
Paint	Rilsan® / Epoxy
Operating pressure	16 bar.



► Characteristics

- Grooved coupling that provides a safe, simple and fast connection.
- It does not require welding or coupling flanges.
- The vulcanised butterfly provides a perfect seal.
- Low torque design.
- It's the lightest valve on the market.
- Easy and quick assembly and disassembly.
- It adapts to all types of pipes.
- Aerodynamic disc design that minimises pressure loss.
- It does not require a perfect alignment between the valve and the pipe, it allows some flexibility..
- Valve indicated for water pipes, especially for fire protection.
- TA-LUFT VD 2440 Design.

► General Applications

- Irrigation
- Drinking water
- Sea water
- Water supply
- Industrial water
- Residual water
- Fire protection systems
- Cooling towers
- Pumping stations
- Food industry
- Paper industry
- Chemical and petrochemical industry
- Naval sector and marine environment
- Steel industry
- Energy generation
- Oil industry
- Sugar industry
- Cement industry
- Mining
- Construction



Valve torque (Nm)

DN		Torque (Nm)
mm	in	
50	2"	12
65	2 1/2"	26
80	3"	39
100	4"	52
125	5"	58
150	6"	65
200	8"	104
250	10"	115
300	12"	195

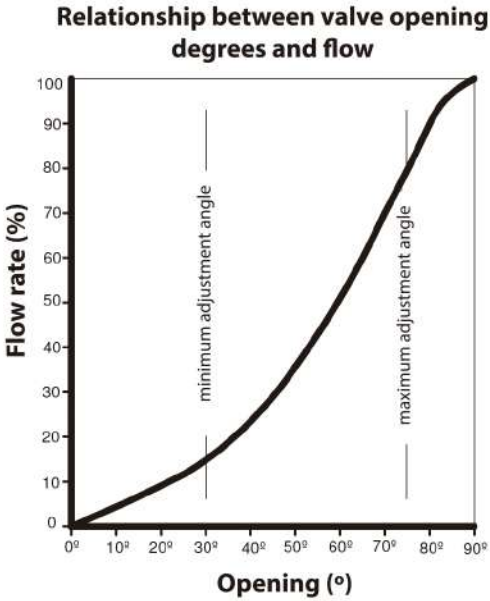
All the torques shown in the table have been tested when in wet service. For dry services, (non-lubricating, dry gas media) gas media) multiply values by 1.15
For lubricating services (Cleaning, non-abrasive lubricating media) multiply values by 0.85

Data Kv

Flow coefficient Kv					
DN	10°	30°	50°	70°	90°
50	2	12	32	42	44
65	3	13	37	68	73
80	5	19	47	87	136
100	8	40	101	218	289
125	16	83	201	411	502
150	33	119	326	612	915
200	42	260	523	1047	1534
250	53	378	934	2068	2863
300	64	401	1238	2754	4087

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



Watertightness

Minimum duration of the test			
DN	NPS	Body	Closure
50	2"	30 seconds	30 seconds
65-150	2 1/2" - 6"	60 seconds	60 seconds
200-300	8" - 12"	120 seconds	120 seconds

To obtain additional data and more information, please contact the Technical Department.

Short code: E.g.: 20R09540

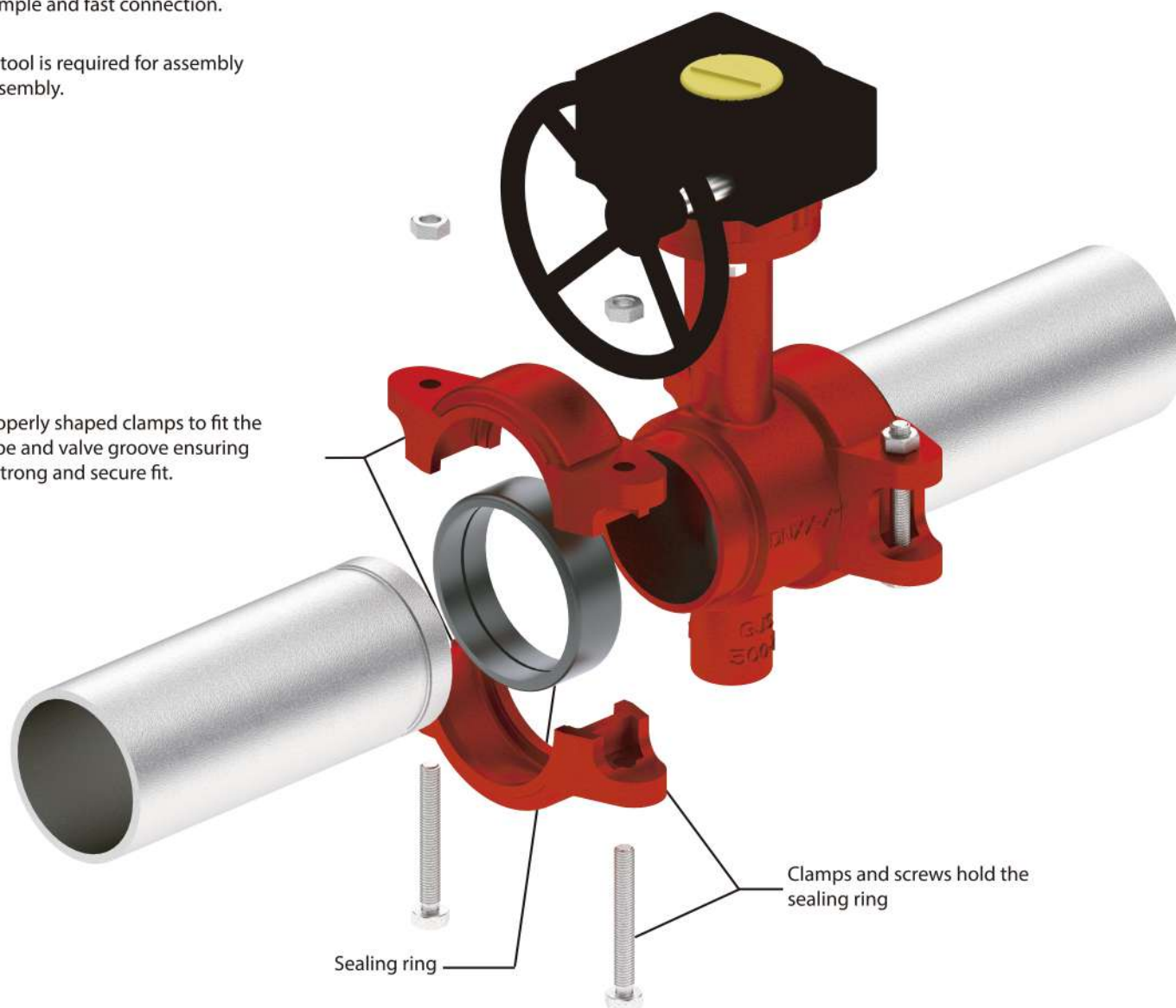
Frame Material		Series		Valve Type		Shaft Material		Disc Material		Seat Material	
20		R		0		95		40			
20	GJS500-7	R	Ranurada	0	Standard	30	AISI 304	20	GJS500-7		
50	WCB					3L	AISI 304L	40	CF-8M		
						31	AISI 303				
						40	AISI 316				
						4C	AISI 347				
						4S	AISI 310S				
						4L	AISI 316L				
						4N	XM-19				
						44	AISI 440B				
						70	B62 C83600				
						80	B148 9D				
						90	AISI 420				
						91	CA-15				
						92	AISI 410				
						95	17 4PH				
						97	AISI 416				
						98	AISI 430F				
						9T	F431				
						D0	1.4462				
						D1	1.4517				
						H0	HASTELLOY C				
						U0	1.4539				
						M4	MONEL 400				
						M5	MONEL K500				
						S0	1.4501				
						S2	1.4417				
						S3	1.4469				
						S4	1.4410				
						S5	1.4547				
						S6	1.4571				
						S9	1.4507				
						Y0	ALLOY 601				

► Coupling system

Secure, simple and fast connection.

Only one tool is required for assembly and disassembly.

Properly shaped clamps to fit the pipe and valve groove ensuring a strong and secure fit.

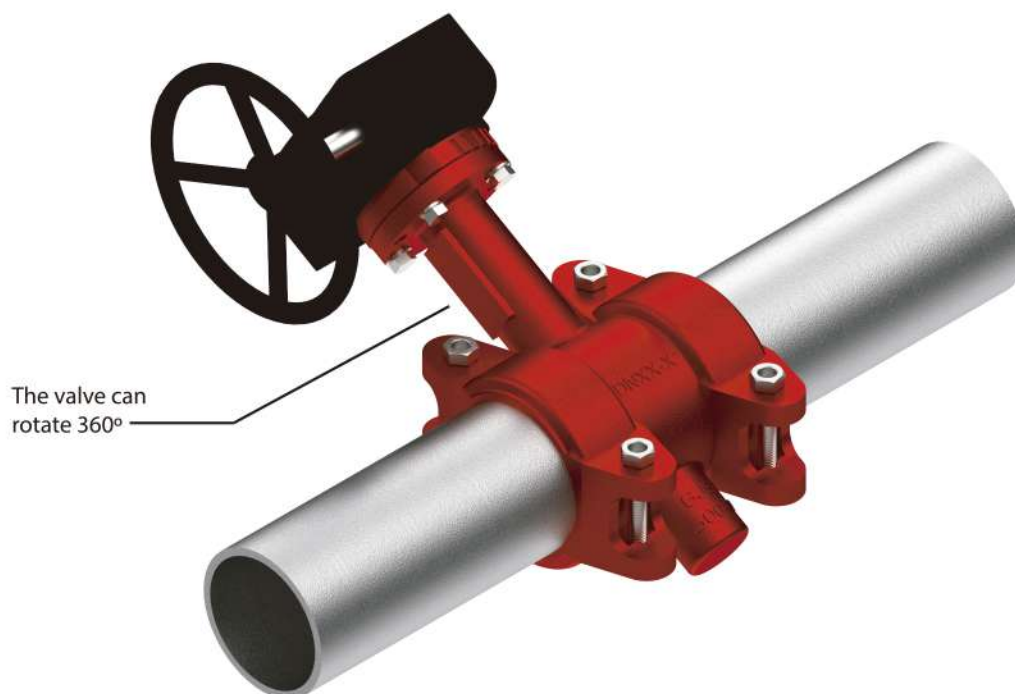


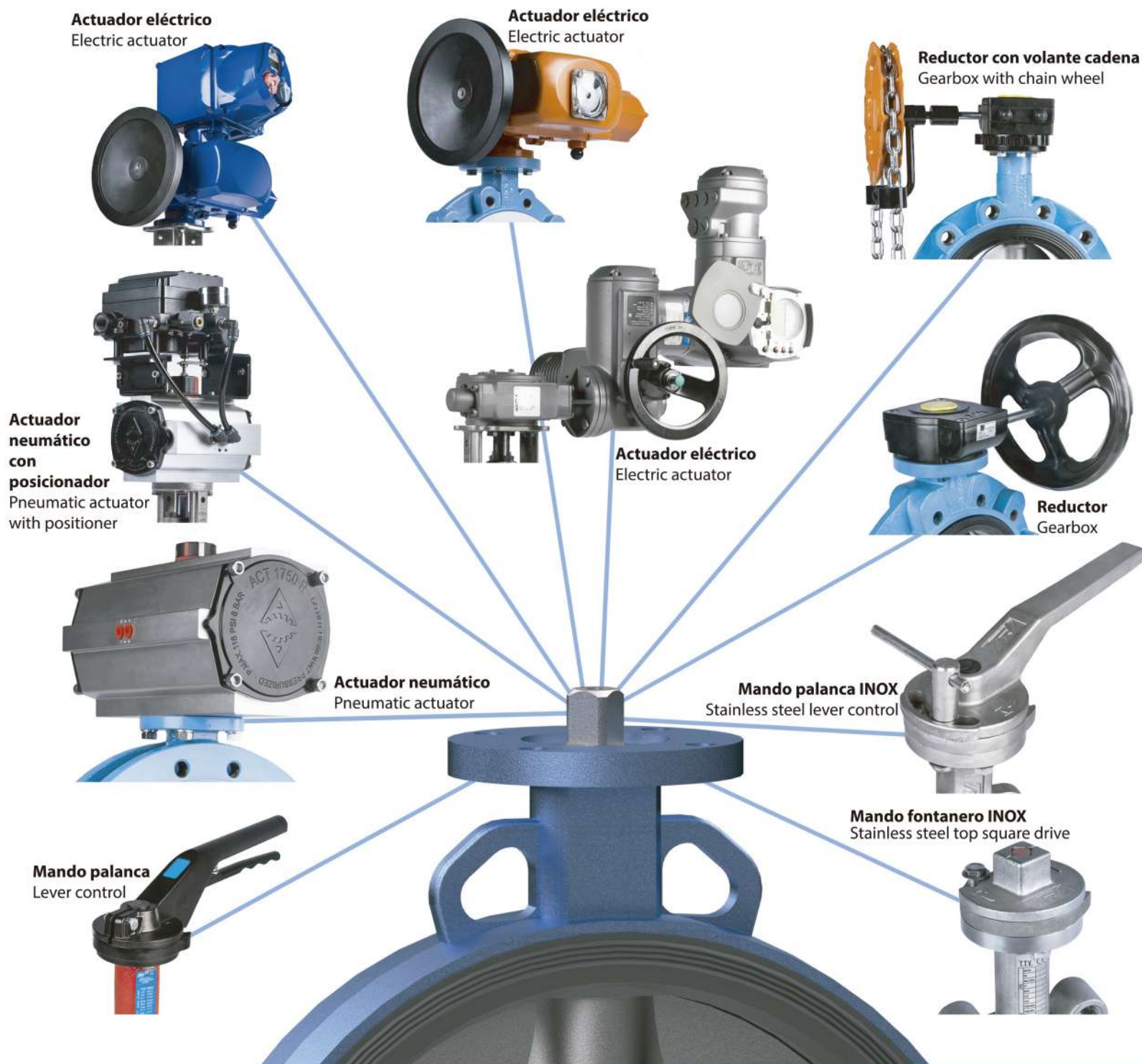
► Installation

In pipe networks, butterfly valves should be installed in a place with easy access for operation, inspection and maintenance.

"Hard" closing of a valve may be due to foreign matter in the seat area. It can be corrected by reopening the lever or wheel a little and closing it again, several times if necessary. The valve should never be forcefully closed by applying a spanner to the wheel or to the lever, as this can distort valve components or scratch the sealing surfaces.

Important: To ensure proper functioning of the valve, all replacement parts must be obtained from the original manufacturer.





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

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

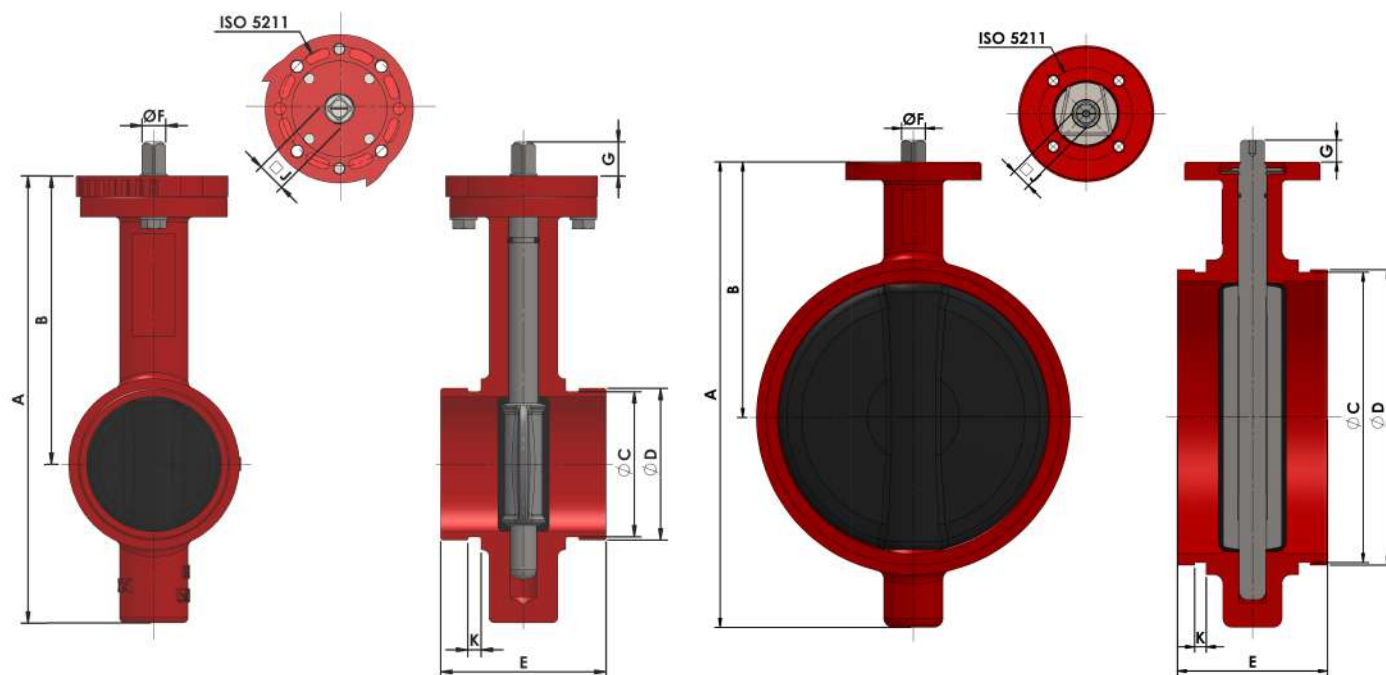
Different types of drive:

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





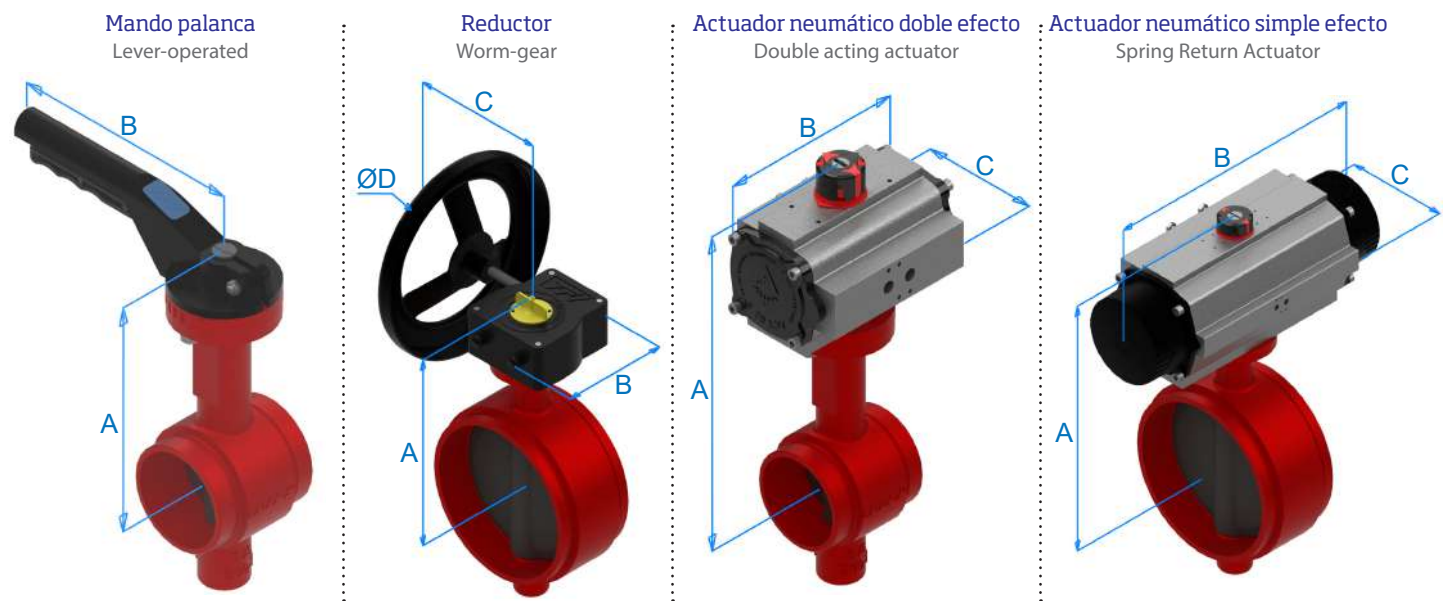
► Dimensiones válvulas / Valve dimensions



Dimensiones válvulas / Valves dimensions

DN		A	B	C	D	E	F	G	J	K	ISO 5211	Peso Weight (Kg)
mm	In											
50	2"	217	156	57.15	60.3	81	9,8	14	8	7.95	F05/07	2,2
65	2 1/2"	243	161	69.08	73	97	12	16	9	7.95	F05/07	3,6
65	2 1/2"	243	161	72.26	76.1	97	12	16	9	7.95	F05/07	3,6
80	3"	262	169	84.94	88.9	97	14	16	11	7.95	F05/07	4
100	4"	292	187	103.78	108	116	14	20	11	9.52	F05/07	6,2
100	4"	292	187	110.08	114.3	116	14	20	11	9.52	F05/07	6,2
125	5"	328	206	135.48	139.7	148	18	20	14	9.52	F07	9,7
125	5"	328	206	137.03	141.3	148	18	20	14	9.52	F07	9,7
150	6"	352	215	160.78	165.1	148	18	20	14	9.52	F07	12,7
150	6"	352	215	163.96	168.3	148	18	20	14	9.52	F07	12,7
200	8"	420	255	214.4	219.1	133	22	24	17	11.13	F07	17
250	10"	450	248	268.28	273	159	25	24	19	12.7	F10	27
300	12"	510	280	318.29	323.9	165	28	24	22	12.7	F10	35,9

► Válvula con accesorios / Valve with accessories



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
50	2"	186	205	2,6	229	128	116	140	3,6	252	145	76	ADA20	3,6	271	195	91	ASR40	4,3
65	2 1/2"	191	205	4	234	128	116	140	5	276	158	91	ADA40	5,7	298	217	111	ASR80	6,6
80	3"	199	205	4,5	242	128	116	140	5,4	284	158	91	ADA40	6,1	316	258	122	ASR130	7,8
100	4"	217	205	6,6	260	128	116	140	7,6	324	177	111	ADA80	9,2	334	258	122	ASR130	10
125	5"	236	330	10,2	279	128	120	200	11,5	353	225	135	ADA130	13,5	376	348,5	152,5	ASR300	18,2
150	6"	245	330	13,2	288	128	120	200	14,5	380	225	135	ADA200	18,3	397	348,5	152,5	ASR300	21,2
200	8"	285	330	17,5	328	128	120	200	18,8	420	225	135	ADA200	22,6	457	397	173	ASR500	28,2
250	10"	331	600	30,2	352	175	223	300	31	430	273	152,5	ADA300	35,5	469	473	191,5	ASR850	44
300	12"	363	600	39	384	175	223	300	40	479	304	176	ADA500	47	529	560	212,5	ASR1200	61,7