



M A R I N E

D I V I S I O N

The engineering and supply of technical equipment for pipelines



## about us

We are an independent company specializing in the supply of Valves and associated equipment for pipelines. Marine Division have created partnerships in a variety of sectors globally within the industry to support both customers and manufacturers to provide solutions. We are driven to provide a Quality service, tailored to technical know-how and provide tailor made package solutions to meet the highest of demands

We work together with our partners ensuring you get the best products at the best price and with a guaranteed quality in both product and service

## We are committed to customer service and continuous improvement...

Today companies are subject to a much higher level of scrutiny from all stakeholders. The demand for transparency with respect to the footprint you leave on the environment, how safely you manage your operations, and how you continually improve quality are some of the demands businesses face across the world.

ISO 9001 is widely seen as the most credible, robust and effective business improvement tool on the market



## STANDARD MARINE BUTTERFLY VALVE

Standard Marine butterfly Valve complete with aluminium bronze locking device0

### DESIGN STANDARDS

Size Range : 6 " - 20" (DN150 - DN500)

Type : Wafer with 4 locating holes / Lugged

API 609 Cat A - Concentric Design

Flange Drilling : ANSI B16.5 150# & 300# (300# connection only)

Standard testing - API 598 / EN 12266-1

Leakage Class : Rate "A" no leakage

- Disc closed - 6 Bar G
- Disc Open - 21 Bar G (Seat and Shaft)
- Body - 30 Bar G

### FEATURES

**Reinforced Vulcanised Seat** to support high line velocities, interchangeable NBR/FKM

**Square drive Disc** - Pinless Stem design

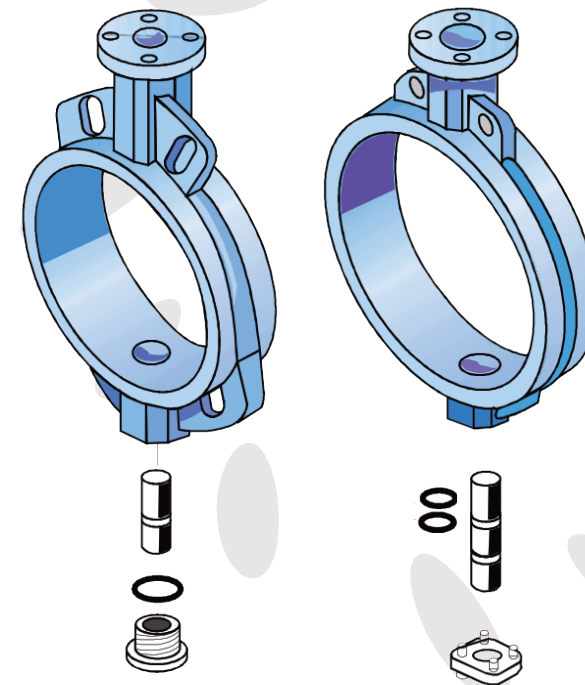
**Square Shaft** for positive connection to lever operator

**Anti Blow out stem**

**Bronze Bearing** for submerged service

**Lever operated** up to 20"

**Aluminium Bronze Locking device**



### MATERIALS OF CONSTRUCTION

CS = Carbon Steel, Brz = Aluminium Bronze, SS = Stainless Steel

Stem - Monel K500 / Stainless Steel

Disc - Stainless Steel / Aluminium Bronze

Vulcanised Seat Ring - FKM & NBR

O rings - to suit Seat

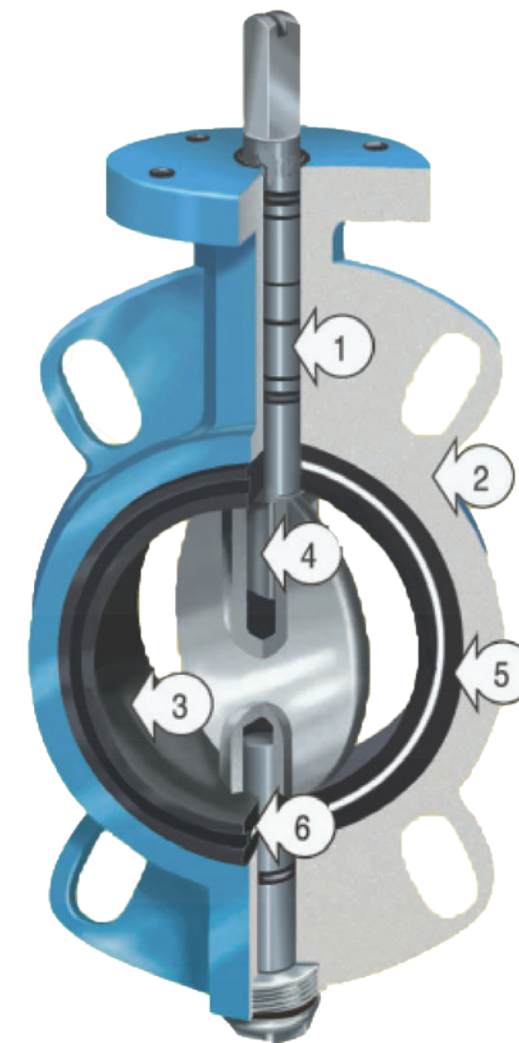




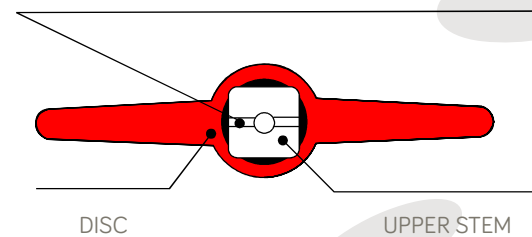
## SOFT SEATED BUTTERFLY VALVES

## MAIN FEATURES

- **Corrosion and abrasion resistant** only the seat and disc are in contact with the fluid.
- **Self-cleaning** and two-way (therefore the valve can be mounted in both directions of flow).
- **Seat** with internal metallic support ring to ensure geometric and dimensional stability.
- **Disc** self-centering inside the seat thanks to the floating coupling between stem-disc.
- **Stem-disc coupling** without use of fastening elements (screws-bolts, etc.) which could be sources of corrosion and failures.
- **Disc of special design** in order to ensure ample full flow, low pressure drops, and minimum turbulence.
- **Valves** are in according to I.S. EN 558-1 - API STD 609 - MSS SP 67 - ASME B16.5/ B16. 34.
- **Maximum** ease of assembly and maintenance: no additional seals are required for mounting between the flanges, nor lubrication.
- **Adaptability** to any type of pneumatic or electric actuator.
- **Protection** of the valve outer parts against corrosion (epoxy or polyurethane paint).
- **Good** adjustment characteristic.
- **Tight shut-off** with pressure drop upto 21,5 bar.
- **Favourable cost**
- **Very compact** size and light weight.



EXTER. INDICATION DISC POSITION MARKING



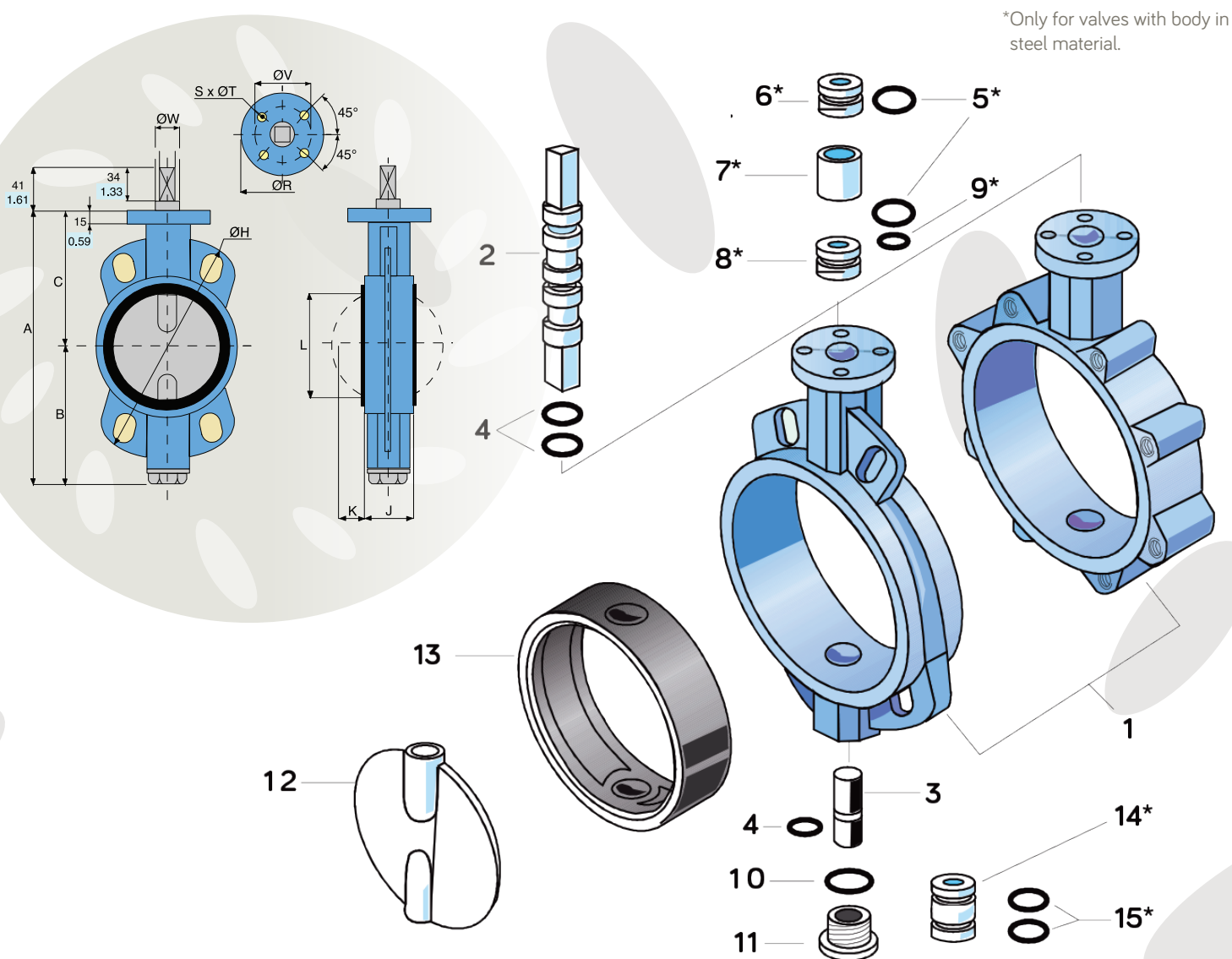
- 1 The upper stem is locked by manual or motorized control while the O-ring assures a life-time lubrication. Moreover, a mark is machined on the top part of the stem, which reproduces exactly the disc position, when the valve is inserted between the flanges.
- 2 The one - piece valve body casting ensures high strength with minimum weight. It can be supplied in a wide choice of materials, for both WAFER and LUG models, so as to meet all possible installation requirements.
- 3 Thanks to the special internal profile of the surface of contact between disc - seat, the reciprocal back pressures ensure tight shut - off.
- 4 The stem has a square end which fits directly in the disc; hence no fastening elements are needed. This allows the disc to float on the stem and to be self-centering inside the seal so as to form a continuous tight shut-off line with the latter. Thanks to the special shape of the SIRCA disc, pressure drops and forces of rotation are appreciably reduced.
- 5 The resilient seat is vulcanized on metallic support ring. Thanks to its straight-forward design it is easily replaceable without use of special tools.
- 6 Thanks to the special profile of the seat, no seal is required between the flanges.







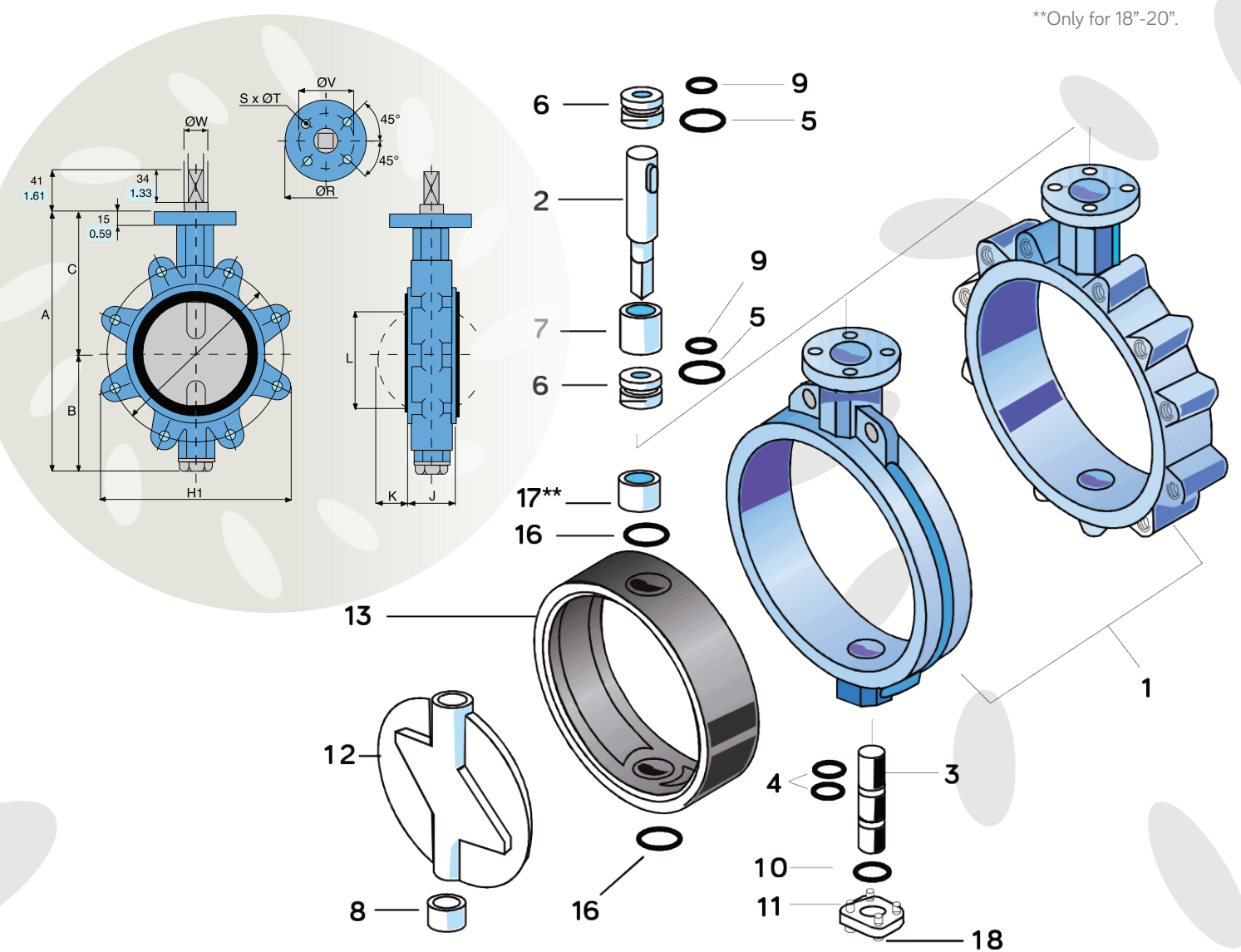
## DIMENSIONAL DATA - WAFER TYPE



SIZE NPS DN	VALVE DIMENSION							FLANGE DRILLING			LEVER			TOP WORKS			WEIGHT	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
6" 150	194	165	285	52	27	90	150 # 241 4 x ø 22 300 # 270 4 x 3/4" UNC	30	400	22	90	70	17x17	9	19	11	24	
8" 200	225	194	419	60	70	190	150 # 298 4 x ø 22 300 # 330 4 x 7/8" UNC	30	400	22	90	70	17x17	12	26	16	35	
10" 250	275	220	495	68	90	238	150 # 362 4 x ø 25 300 # 362 4 x 1" UNC	30	400	22	125	102	22x22	19	41	24	53	
12" 300	297	262	559	78	111	289	150 # 432 4 x ø 26 300 # 451 4 x 1-1/8" 8-UN	30	400	32	125	102	22x22	30	64	34	75	
16" 400	376	301	677	106	138	367	150 # 540 4 x ø 28 300 # 572 4 x 1-1/4" 8-UN	60	1000	35	175	140	27x27	70	154	75	165	
20" 500	425	371	769	126	180	468	150 # 635 4 x ø 32 300 # 686 4 x 1-1/4" 8-UN	60	1000	35	175	140	37x37	110	243	118	260	



## DIMENSIONAL DATA - LUG TYPE



SIZE NPS DN	VALVE DIMENSION							FLANGE DRILLING			LEVER			TOP WORKS			WEIGHT	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
6" 150	194	165	285	52	27	90	150 # 241 8 x 3/4" UNC	30	400	22	90	70	17x17	11	25			
8" 200	225	194	419	60	70	190	150 # 298 8 x 3/4" UNC	30	400	22	90	70	17x17	17	38			
10" 250	275	220	495	68	90	238	150 # 362 8 x 3/4" UNC	30	400	22	125	102	22x22	27	60			
12" 300	297	262	559	78	111	289	150 # 432 8 x 3/4" UNC	30	400	32	125	102	22x22	40	89			
16" 400	376	301	677	106	138	367	150 # 540 8 x 3/4" UNC	60	1000	35	175	140	27x27	90	198			
20" 500	425	371	769	126	180	468	150 # 635 8 x 3/4" UNC	60	1000	35	175	140	37x37	150	351			

# partnerships

HOW WE WORK

Trust is the social glue that holds business relationships together.

We work together with our partners ensuring you get the best products at the best price and with a guarantee of quality in both product and service.

We work with Sirca International S.p.A. whose strength lie in their product quality, competitive price, large warehouse of material stock and in the reliability of their services.

UNI EN ISO 9001:2015 CERTIFIED QUALITY SYSTEM

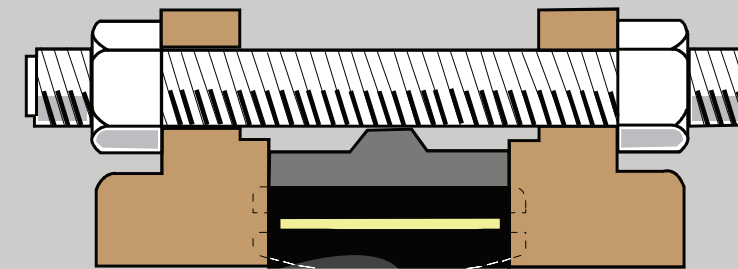
Accuracy in producing valve and pneumatic actuator components is fundamental. It is for this reason Sirca International we have a large stock of top-of-the-range CNC machines with CAD-CAM technology.

Amongst the machine tools used are automatic saws, twin-spindle lathes, with double/triple tower and horizontal machining centres.

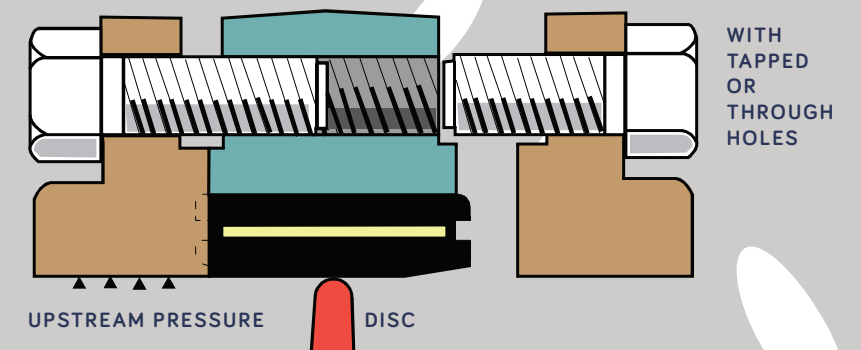


## BUTTERFLY VALVES - SERIES 301

### WAFER TYPE VALVE - SERIES 301



### LUG TYPE VALVE - SERIES 301



### WAFER TYPE VALVE - SERIES 301

SIZE	CLASS	DESCRIPTION
4"	150 #	SIRC301-HE4-150-W-LO
5"	150 #	SIRC301-HE5-150-W-LO
6"	150 #	SIRC301-HE6-150-W-LO
8"	150 #	SIRC301-HE8-150-W-LO
10"	150 #	SIRC301-HE10-150-W-LO
12"	150 #	SIRC301-HE12-150-W-LO
16"	150 #	SIRC301-HE16-150-W-LO
20"	150 #	SIRC301-HE20-150-W-LO

### LUG TYPE VALVE - SERIES 301

SIZE	CLASS	DESCRIPTION
4"	300# Drilling	SIRC301-HE4-300-W-LO
5"	300# Drilling	SIRC301-HE5-300-W-LO
6"	300# Drilling	SIRC301-HE6-300-W-LO
8"	300# Drilling	SIRC301-HE8-300-W-LO
10"	300# Drilling	SIRC301-HE10-300-W-LO
12"	300# Drilling	SIRC301-HE12-300-W-LO
16"	300# Drilling	SIRC301-HE16-300-W-LO
20"	300# Drilling	SIRC301-HE20-300-W-LO

# contact us

Should you require any additional information,  
or to discuss your bespoke requirements please  
contact us via email at

[info@tqpmarine.com](mailto:info@tqpmarine.com)



[tqpmarine.com](http://tqpmarine.com)