

OPEN FRAME VALVE

OFHP SERIE 10

UNCOMPROMISING MANUFACTURING QUALITY

The OXO Valve design drastically reduces industrial valve maintenance costs. Manufacturing quality had to reflect this philosophy. These industrial valves ensure performance levels that meet the requirements of the most demanding industries and durability that will not trigger unscheduled down time.

A finished product ratio that is 2.5 times higher than the most stringent industry requirements

Quality control across the entire production line, from the foundry to the final assembly

Inspection and testing of every valve before delivery to the customer

Rigorous tracking system ensuring compliance in the manufacturing process



MAXIMUM STURDINESS

VIRTUALLY INDESTRUCTIBLE LIGHTWEIGHT ALUMINUM FRAME

The use of aluminum in the manufacturing of industrial valves is a revolution in its own right. OXO valves combine unprecedented lightness with an angled profile ensuring sturdiness and mechanical resistance that is equal or above the highest standards, and **clearly sufficient to accomplish even the most demanding industrial chores.**

The use of aluminum casted parts allow OXO Valve to maximize the advantages that aluminum has to offer.

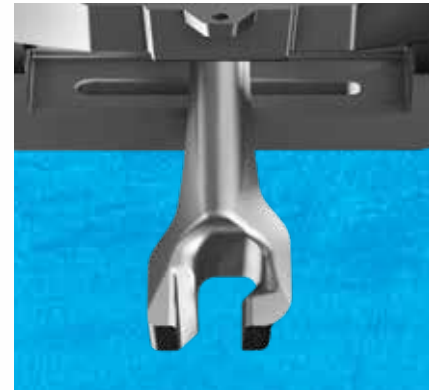
For the harshest industrial environments, additional surface protection (optional) provides the aluminum extreme resistance to daily conditions ranging from pH 0 to pH14.



Optimized wall thicknesses



Cutting edge design



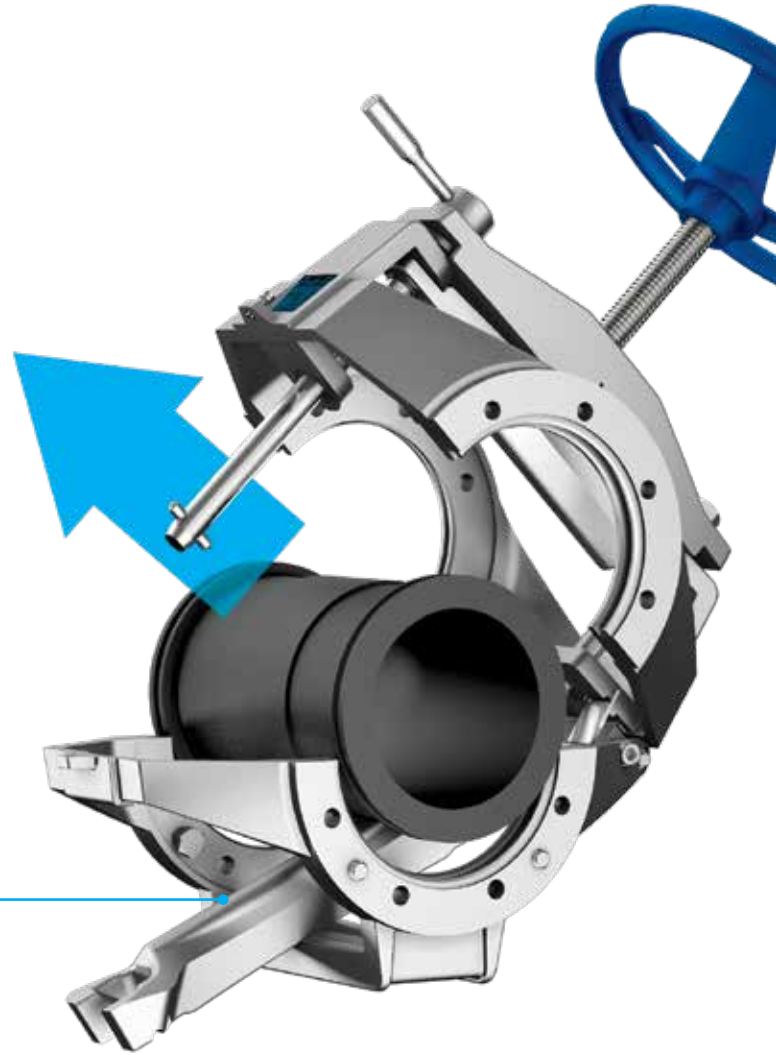
Incorporated design features

OPERATION FEATURES



Release lever

Allows to unlock the upper part of the frame and provides easy handling during the opening procedure.



Automatic sleeve ejection system

The lower compression bar pushes the sleeve upwards and ejects it from the valve.

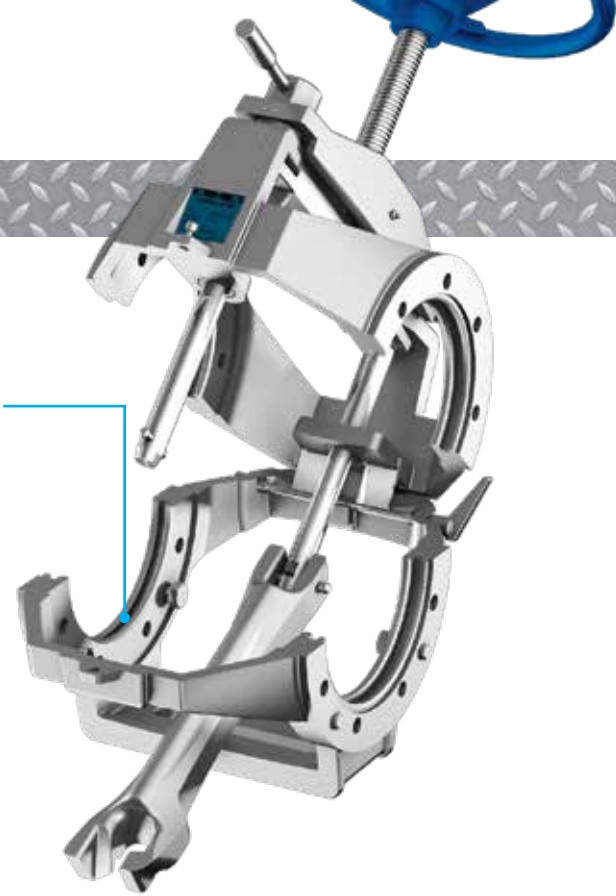


Self-locking safety brackets

The spring loaded brackets lock into position with a simple opening of the valve, preventing it from falling by accident or when force is applied.

Tongue-and-groove design

Grooves serve as a guide for a perfect alignment and prevent the sleeve from moving when the upper frame is closed.



Spring-action locking system

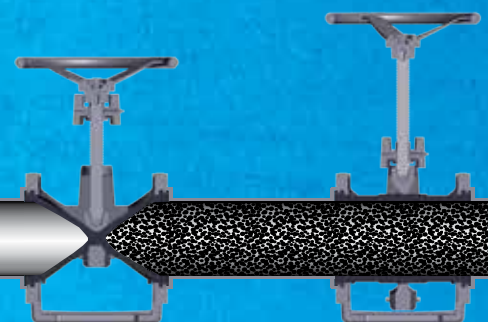
The release lever acts as a safety lock. By lowering the upper section, it automatically snaps into the lower compression bar.



Adjustment-free compression bars

The parallel position and spacing of the bars remain intact after changing the sleeve.

The **OXO Valves** for open and closed frame designs are full bore in open position. The valves do not create any flow restriction therefore, there is no drop in pressure. The bubble tight closing is accomplished by two pinch bars closing simultaneously on centerline.



OFHP SERIE 10

Product Specifications

The **OFHP Serie 10** has an open frame structure, which allows good visibility of the sleeve and closing position of the valve at all times. This series is built for processes that involve aggressive slurries, abrasive materials, powders and harsh environments.

Available with manual, pneumatic, hydraulic and electric actuators.

OXO Valve also offers custom flow control solutions to meet your most demanding specifications. Please contact the sales department for details.

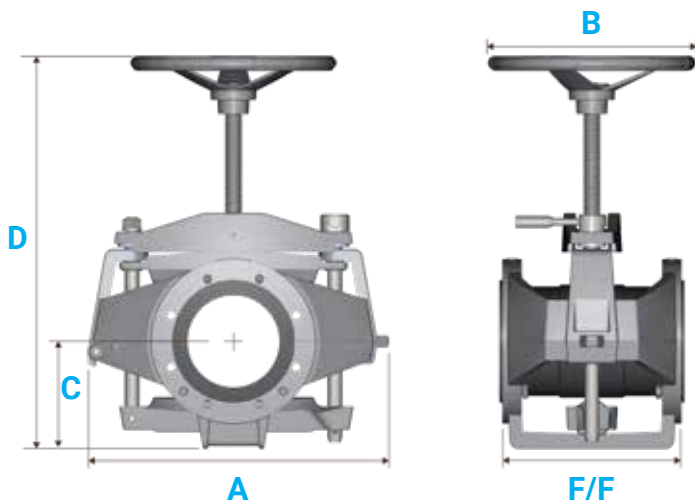
SIZE (IN)	ACTUATOR	FLANGE DRILLING	OPTIONS	SLEEVE MATERIAL
3	M-MANUAL	1- ANSI 150	CR-COROSION RESISTANT	NR- Natural Rubber
4	P-PNEUMATIC	2- DIN PN10	LD-LOCKING DEVICE	NBR- Acrolonitrile Butadiene (Bunan-Nitriell)
6	H-HYDRAULIC		PD-PROTECTION DEFLECTOR	CR- Chloroprene (Neoprene)
8	E-ELECTRIC			FKM- Fluorocarbon (Viton)
10	MO-GEAR BOX			
12				

Dimensions

OXO Valve mating flanges are designed to ANSI 150 (DIN PN10) bolt circle specifications.

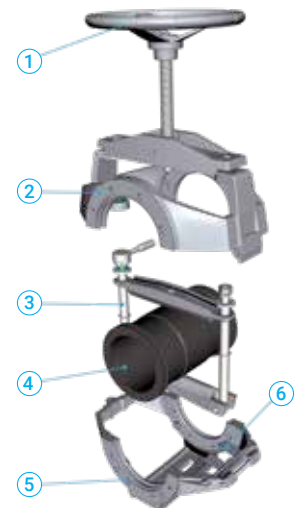
VALVE SIZE	LENGTH F/F	WIDTH A	HANDWHEEL DIAMETER B	HEIGHT		WORKING PRESSURE (PSI)	VALVE WEIGHT
				C	D		
3" (80 mm)	8" (203 mm)	17" (432 mm)	12" (305 mm)	6-1/4" (159 mm)	21-11/16" (551 mm)	150	48 lbs. (21,8 kg)
4" (100 mm)	10" (254 mm)	20-1/2" (521 mm)	12" (305 mm)	7-3/16" (183 mm)	25-3/16" (640 mm)	150	80 lbs. (36,3 kg)
6" (150 mm)	12" (305 mm)	24" (610 mm)	18" (457 mm)	8-5/16" (211 mm)	30-7/16" (773 mm)	125	108 lbs. (49 kg)
8" (200 mm)	16" (406 mm)	26-1/8" (664 mm)	18" (457 mm)	8-5/16" (211 mm)	34-1/6" (865 mm)	80	140 lbs. (63,5 kg)
10" (250 mm)	20" (508 mm)	31-7/8" (810 mm)	22" (559 mm)	11-3/8" (289 mm)	39-11/16" (1008 mm)	75	195 lbs. (88,5 kg)
12" (300 mm)	24" (610 mm)	38-5/16" (973 mm)	22" (559 mm)	13-7/16" (342 mm)	46-1/4" (1175 mm)	75	266 lbs. (120,7 kg)

Dimensions and weights are for reference only, detailed drawings are available upon request.



Parts:

- ① Handwheel
- ② Top frame
- ③ Pinch assembly
- ④ Sleeve
- ⑤ Bottom frame
- ⑥ Lock mechanism



Flange Bolting Specifications

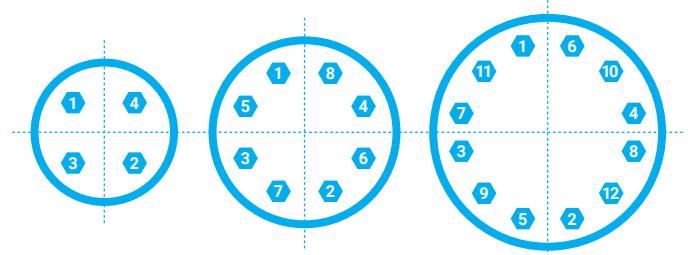
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VALVE SIZE		NO. BOLTS	BOLT CIRCLE DIAMETER		THREAD SIZE	FLANGE THICKNESS		BOLT TORQUE	
ANSI	DN		ANSI	DN		ANSI	DN	FT. LBS	NM
3"	80	4	6"	152	5/8"-11 NC	7/8"	22	55	75
4"	100	8	7-1/2"	190	5/8"-11 NC	7/8"	22	40	54
6"	150	8	9-1/2"	241	3/4"-10 NC	15/16"	24	60	81
8"	200	8	11-3/4"	298	3/4"-10 NC	1-1/16"	27	70	95
10"	250	12	14-1/4"	362	7/8"-9 NC	1-1/8"	28	70	95
12"	300	12	17"	431	7/8"-9 NC	1-3/16"	30	75	102

Mating flanges are to be raised face type.

Mating flange ID must match the ID of the valve.

Torque the amount of flange bolts using a star pattern shown. The first torque should be 50% of the tabulated values, then torque to the given tabulated value. The use of an anti-seize compound on all bolts is strongly recommended.



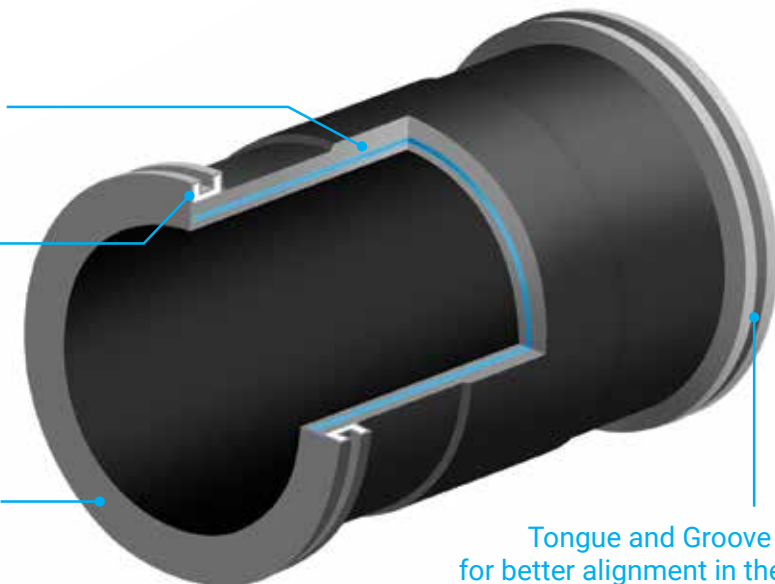
Custom Sleeve Design

The inner portion of the valve is composed of a sleeve, that is available in several different material, to cover a wide range of applications that demand for high corrosion, wear and chemical resistance. The full bore sleeve is the only part of the valve that comes in contact with the medium.

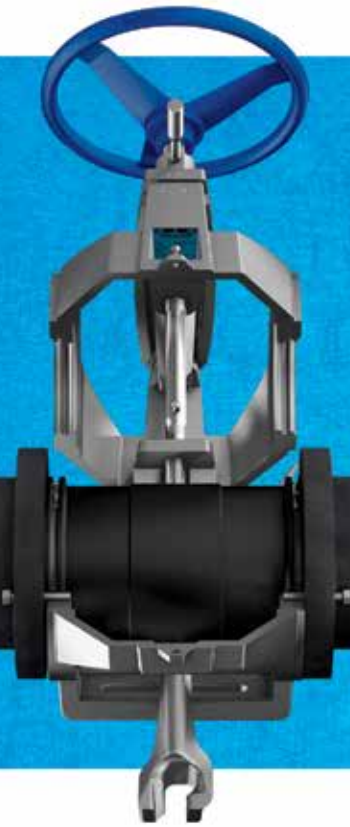
Reinforced materials to ensure pressure retention.

Steel liner for stronger sleeve containment.

Different sleeve materials to assure resistance to wear and chemical deterioration.



Tongue and Groove design for better alignment in the valve.



ON-PIPE, NO REMOVAL MAINTENANCE

OXO Valve is engaged in a **constant pursuit of innovation** in order to design and manufacture industrial valves for which the maintenance operations are performed directly on the pipes, making them safer and more productive at all times.

Productivity goes far beyond the product's performance. By reducing maintenance costs and increasing workplace safety, an industrial valve can be as productive during down times as when it is in operation. We've revolutionized the manner in which valve maintenance is performed in order to bring about **significant gains in productivity and safety.**

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