

FLANGED GATE VALVE

PN 16 18"-24" (450-600 mm)

- Non rising stem
- Soft sealing
- Ductile cast iron
- Fully bore

LONG LIFE VALVES



Face-to-Face
 Series 14 EN 558-1 (F4) - (HKO-S)
 Series 15 EN 558-1 (F5) - (HKO-L)

Products

Type	PN	Face-to-Face	Flange standard	Nominal size			
				mm	450	500	600
				inches	18"	20"	24"
001	PN16	HKO-S	EN-1092-2/ISO 7005-02		*	*	*
002	PN16	HKO-L	EN-1092-2/ISO 7005-02		*	*	*
003	PN16	HKO-S	AS-2129D/BS10		*	*	*
004	PN16	HKO-L	AS-2129D/BS10		*	*	*

Coating: NYLON11 (Rilsan) / EPOXY / ENAMEL

Order example: HKO type 001 DN450 NYLON11 (Rilsan)

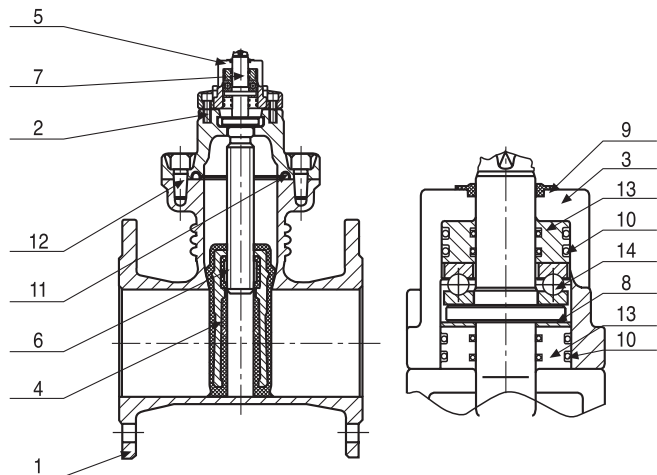
Description

Application
 Shut-off valve, two-way direction, vertically and horizontally.
 Working temperature up to: 70°C.

Operation
 With T-key, hand wheel, chain wheel or equipment for underground installation, pneumatic or electric actuator.
 Upper flange for electrical operation according - ISO 5210.

- Coating**
- Nylon 11 (Rilsan) powder in dipping process - 250 µm (min.)
 - Electrostatic Epoxy powder - GSK Ral 5005 - 250 µm (min.)
 - Enamel coating - inside- 300 µm (min.) / Electrostatic Epoxy - outside- 250 µm (min.).

- Advantages**
- The valve is designed with minimum head loss (it is not more than head loss of the equal diameter and long pipe)/
 - The valves are suitable for horizontal and vertical position installation.
 - Elongated stem bearings with extra o-rings preventing outside leakage and vacuum.
 - Low operating torques.
 - Replaceable spindle nut under pressure.
 - Short height and compact design.
 - Offered in Nylon 11 (Rilsan) coating / inside - Enamel coating.
 - Testing standard according DIN 3230.

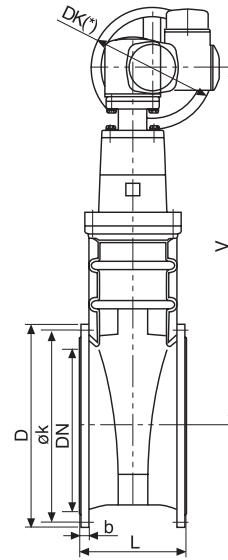
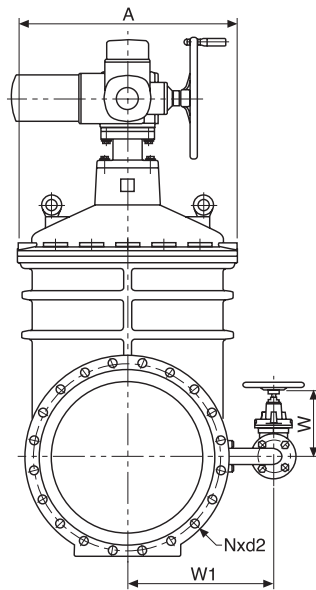
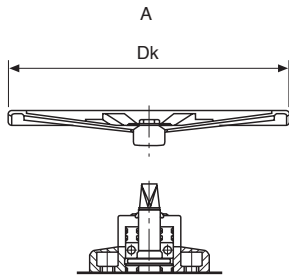


Material Specification		
1	Body	Ductile cast iron - GGG40
2	Cover	Ductile cast iron - GGG40
3	Bonnet	Ductile cast iron - GGG40
4	Wedge	Ductile cast iron - GGG40 EPDM vulcanized
5	Stem	S.S 410/S.S316
6	Stem Nut	Bronze C83600
7	Stem guide bushing	Brass-BS 2870
8	Washer	POM-C
9	Wiper	AU
10	O-Ring	NBR
11	Bonnet Gasket	EPDM
12	Bolts	S.S DIN912
13	O-Ring packing plate	Aluminum Bronze
14	Bearing	Ball Bearing

Applications for:	Drinking water	Air cooling system	Hot water	Steam	Water treatment	Sewage water	Sea water	Desalination plants	Chemical industry	Food industry	Pulp/Paper industry	Dry air	Gas	Vacuum
	✓				✓	✓	✓					✓		

HKO FLANGE GATE VALVE PN16

Dimensions (mm)



* For hand wheel - manual operated

HKO Dimensions Table

		Dimension	DN		
		mm	450	500	600
		inches	18"	20"	24"
Face-to-Face	HKO-S	L	330	350	390
	HKO-L		650	700	800
General Dimensions	A		615	682	806
	Dk		630	630	630
Shaft for hand wheel	S		32,3	36,3	41,3
Shaft for electric actuator	S1		40	40	40
Bare Shaft for hand wheel	V		1075	1100	1420
By-Pass Dimensions	Dk1		250	250	250
	S1		14	14	17
	W		260	260	385
	W1		533	573	650
DN 600: By-Pass DN 80					
Flange dimension AS2129-(D) / BS10	b		32	32	35
	D		640	705	825
	d2		26	26	30
	k		584	641	756
	No' of holes		12	16	16
	Screw size		M24	M24	M27
Flange dimension EN1092-2/ ISO 16	b		30	31,5	36
	D		640	715	840
	d2		31	34	37
	k		585	650	770
	No' of holes		20	20	20
	Screw size		M27	M30	M33
Turns / stroke			57	64	68
Loss Factor			0,03	0,02	0,02
Weight	HKO-S	[Kg]	394	518	670
	HKO-L	[Kg]	430	538	715
Closing Torque (N.m)			425	525	600

Dimensions and weight can be changed without notification.