

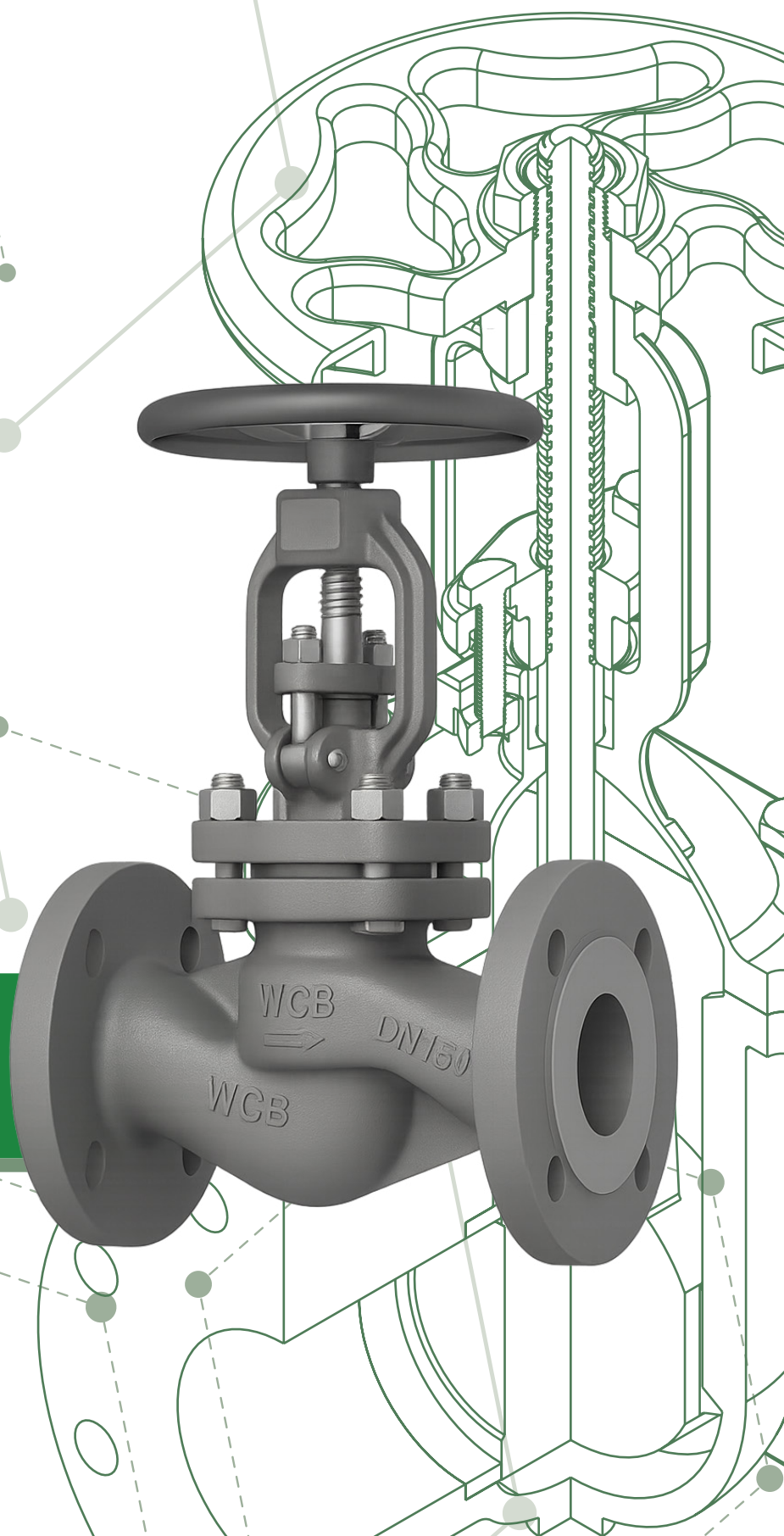


FIG. 423

CARBON STEEL DIN GLOBE VALVE

DN50 - 250 | PN6 - 40

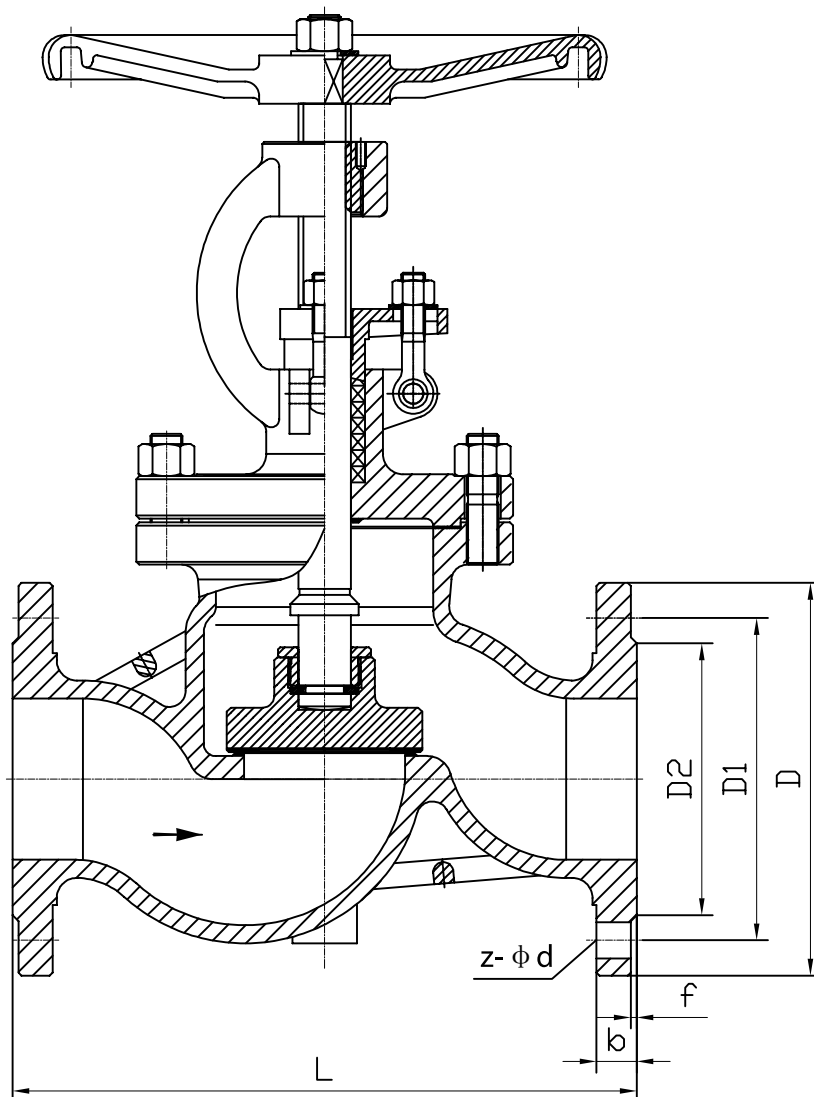
KTN FLANGED DIN GLOBE VALVE:

The **KTN 423** is our **DIN-standard globe valve**, manufactured in accordance with **DIN 3356**, with face-to-face dimensions according to **DIN 3202**, and **flanged ends as per EN 1092-1 / RF**. Available in sizes from **DN50 to DN250**, and pressure ratings from **PN6 to PN40**.

The valve body is made of **cast carbon steel ASTM A216 WCB**, with **13Cr trim**, and standard seats according to DIN specification.

The **KTN 423** globe valve is produced with **state-of-the-art technology** in our most advanced manufacturing facility. The machined finish is precise and uniform, thanks to CNC turning and strict quality control processes.

Our design exceeds standard requirements, offering exceptional resistance to wear and long service life. It is also engineered for severe service conditions and successfully passes **API 598** pressure and leak tests. Furthermore, the increased flange thickness and spot-facing on the back flange holes ensure maximum safety in demanding applications.



GENERAL SPECIFICATIONS	
DESIGN	DIN 3356
FACE TO FACE	DIN 3202
CONNECTION	EN 192-1 RF
TEST	EN 12266
WORKING TEMPERATURE	-29°C ~ 425°C
MEDIUM	Water, oil and gas

OUTLINE DIMENSIONS PN6								
DN	"	L	D	D1	D2	b	z-Ød	f
50	2"	230	140	110	90	14	4-Ø14	3
65	2 1/2"	290	160	130	100	14	4-Ø14	3
80	3"	310	190	150	128	16	4-Ø18	3
100	4"	350	210	170	145	16	4-Ø18	3
125	5"	400	240	200	178	18	8-Ø18	3
150	6"	480	265	225	202	18	8-Ø18	3
200	8"	600	320	280	258	20	8-Ø18	3
250	10"	650	375	335	312	22	12-Ø18	3
								sizes in mm

OUTLINE DIMENSIONS PN10								
DN	"	L	D	D1	D2	b	z-Ød	f
50	2"	230	165	125	102	18	4-Ø18	3
65	2 1/2"	290	185	145	122	18	8-Ø18	3
80	3"	310	200	160	138	20	8-Ø18	3
100	4"	350	220	180	158	20	8-Ø18	3
125	5"	400	250	210	188	22	8-Ø18	3
150	6"	480	285	240	212	22	8-Ø22	3
200	8"	600	340	295	268	24	8-Ø22	3
250	10"	650	395	350	320	26	12-Ø22	3
								sizes in mm

OUTLINE DIMENSIONS PN16								
DN	"	L	D	D1	D2	b	z-Ød	f
50	2"	230	165	125	102	18	4-Ø18	3
65	2 1/2"	290	185	145	122	18	8-Ø18	3
80	3"	310	200	160	138	20	8-Ø18	3
100	4"	350	220	180	158	20	8-Ø18	3
125	5"	400	250	210	188	22	8-Ø18	3
150	6"	480	285	240	212	22	8-Ø22	3
200	8"	600	340	295	268	24	8-Ø22	3
250	10"	650	405	355	320	26	12-Ø26	3
								sizes in mm

OUTLINE DIMENSIONS PN25

DN	"	L	D	D1	D2	b	z-Ød	f
50	2"	230	165	125	102	20	4-Ø14	3
65	2 1/2"	290	185	145	122	22	8-Ø18	3
80	3"	310	200	160	138	24	8-Ø18	3
100	4"	350	235	190	162	24	8-Ø22	3
125	5"	400	270	220	188	26	8-Ø26	3
150	6"	480	300	250	218	28	8-Ø26	3
200	8"	600	360	310	278	30	12-Ø26	3
250	10"	650	425	370	335	32	12-Ø30	3

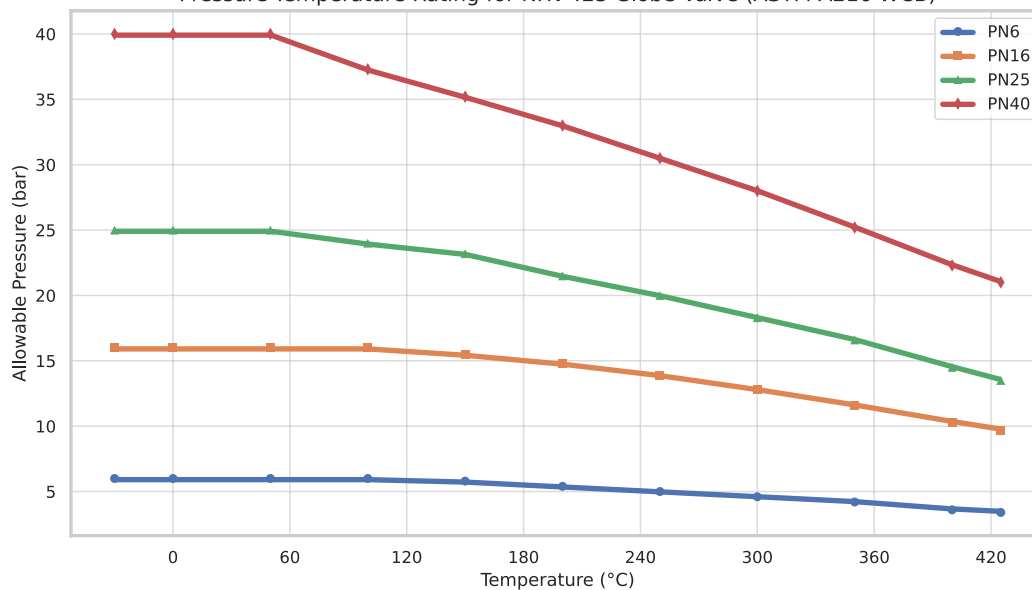
sizes in mm

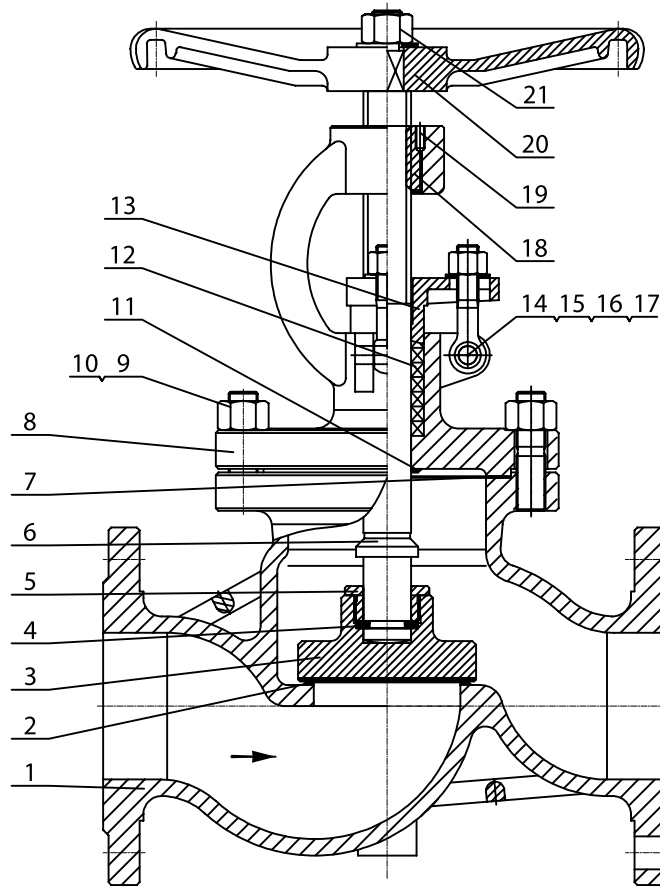
OUTLINE DIMENSIONS PN40

DN	"	L	D	D1	D2	b	z-Ød	f
50	2"	230	165	125	102	20	4-Ø18	3
65	2 1/2"	290	185	145	122	22	8-Ø18	3
80	3"	310	200	160	138	24	8-Ø18	3
100	4"	350	235	190	162	24	8-Ø22	3
125	5"	400	270	220	188	26	8-Ø26	3
150	6"	480	300	250	218	28	8-Ø26	3
200	8"	600	375	320	285	34	12-Ø30	3
250	10"	650	450	385	345	38	12-Ø33	3

sizes in mm

Pressure-Temperature Rating for KTN 423 Globe Valve (ASTM A216 WCB)





LIST OF MATERIALS

No	Part Name	Material
21	Handwheel lock nut	CS
20	Handwheel	KTH330-08
19	Screw	CS
18	Stem nut	Copper alloy
17	Gasket	CS
16	Gland nut	ASTM A194 2H
15	Gland bolt	ASTM A193 B7
14	Pin	CS
13	Gland	ASTM A216 WCB
12	Packing	Graphite
11	Backseat	ASTM A216 WCB+13Cr
10	Nut	ASTM A194 2H
09	Stud	ASTM A193 B7
08	Bonnet	ASTM A216 WCB
07	Gasket	304SS+Graphite
06	Stem	ASTM A182 F6a
05	Disc cover	CS
04	Split ring	ASTM A276 420
03	Disc	ASTM A105+13Cr
02	Seat surface	ASTM A216 WCB+13Cr
01	Body	ASTM A216 WCB