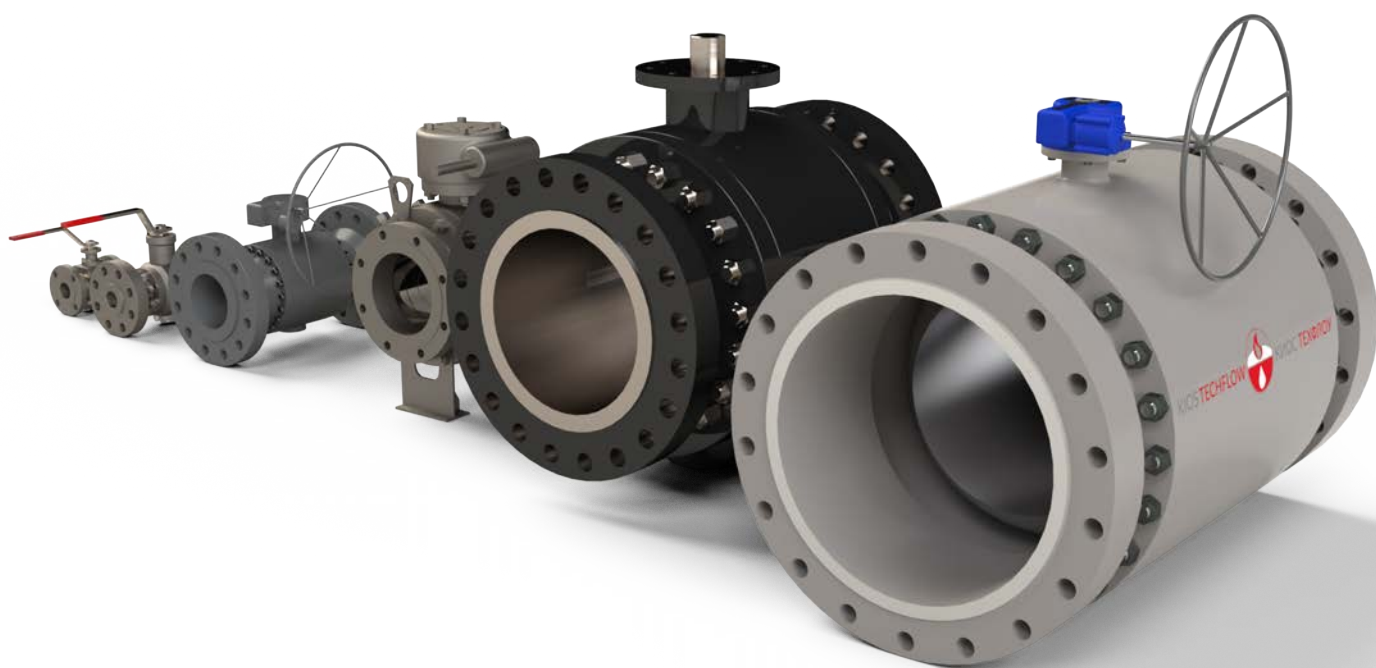




ball valves manufacturing catalog



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1. WHO WE ARE

Expertise is a privately-owned company founded in Genova, Italy, in 1984, thanks to the vision of the President Mr. Ezio Bracco, majority shareholder, parent company of the Expertise Group.

Covering at first the demand of the Italian market for Engineering and Project Management services, during 40 years of history the Group has branched out to different services in the home country and abroad.

With a workforce of over 2000 employees, the Group sees today its presence in Italy, Kazakhstan, Republic of the Congo, United Arab Emirates, Kuwait, Libya and Mozambique.

Expertise is the Parent Company of the following Companies, part of the Group:

- ✓ Expertise Srl (Italy, 1984)
- ✓ Telford International LTD (United Arab Emirates, 1994)
- ✓ KIOS LLP (Kazakhstan, 1999)
- ✓ Expertise Branch, Atyrau (Kazakhstan, 2008)
- ✓ Proteco SARLU - (Republic of Congo, 2009)
- ✓ Expertise LLP (Kazakhstan, 2011)
- ✓ Expertise Libya for Oil Operations JSC (Libya, 2011)
- ✓ Expertise Mozambique Limitada (Mozambique, 2013)
- ✓ Expertise Branch Kuwait (Kuwait, 2017)
- ✓ KIOS TechFlow LLP (Kazakhstan, 2017)
- ✓ KIOS Maintenance Solutions LLP (Kazakhstan, 2021)
- ✓ Expertise Kuwait Oil Well Drilling WLL (Kuwait, 2021)

The services rendered across the various countries include Engineering and Project Management, Technical Assistance Services, HSE and Operations & Maintenance Services to the Oil & Gas, Refining, Petrochemical, Chemical, Power and Desalination Industries, as well as Integrated Field Services to the Upstream Industry.

The Expertise Group prides itself in carrying out all works at the highest achievable standards and it places notable emphasis on project management through strict QA/QC procedures, applied to all projects to constantly monitor both quality and progress.

Through its business activities the Expertise Group has been involved in major onshore and offshore developments and at drilling/production installations, working with many of the major Operators and Contractors worldwide.

Expertise' established record of success has been achieved by providing quality and innovative services with unrivalled commitment and flexibility. Throughout the years, the group has continuously increased its technical know-how and organisational capabilities in order to broaden the range of services provided.

Our clients have always recognized that our strength lays in our name, in a word Expertise. We do make a difference with our expertise.



2. KIOS TECHFLOW LLP

In 2017 a Joint Venture was created in Aksai, Kazakhstan with the aim to support the local need for Critical Maintenance of Valves which, in 2020 was fully acquired by Expertise Group renaming it KIOS Techflow LLP bringing under its umbrella a full capability for valve maintenance in country.

KIOS Techflow is currently located in Aksai where a state of the art workshop is present in order to increase the demand for quick delivery valves and high turnaround maintenance and repair works required on installed valves.



KIOS Techflow made a name for itself tackling the criticality of a damaged valves, either on site or in our workshop, to engineer and produce components in order to restore the valve in a quick and satisfactory manner.

The aim of this service is granting to the client the minimum downtime due to the valve not operational condition.

Among the various services, KIOS Techflow LLP can provide, Reverse Engineering on partner OEM, Upgrading & Modification, Critical/Complex Overhauling & Re-certification, Advanced Balls Grinding/Lapping Machining & Sealing Areas Semi-Automatic Welding Overlay, Valves/Actuators (Assembly) Torques Measuring & Monitoring and Actuators Static Torque Peak Measuring & Endurance Dynamic Test.

During the recent years we have supported also the various requirements for new valves cooperating with some of the top notch Italian Valve maker as Orion S.p.A. and Actuator makers as DVG Srl.

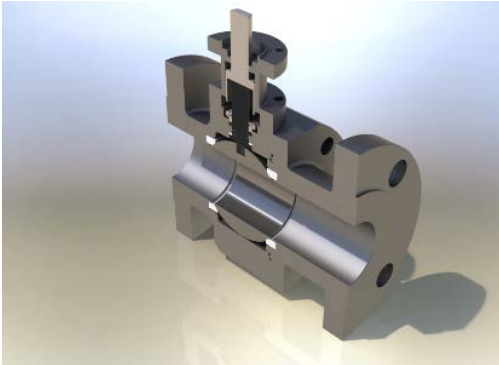
Nevertheless, as the local market is demanding higher localization of the product, Expertise Group decided to move towards a major milestone, obtaining the Certification for API6D as manufacturer of valves. Such certification was obtained in 2023 and KIOS Techflow LLP can proudly provide now valves made in Kazakhstan.



KIOS Techflow is also accredited with ISO 9001, 18001 and 45001.



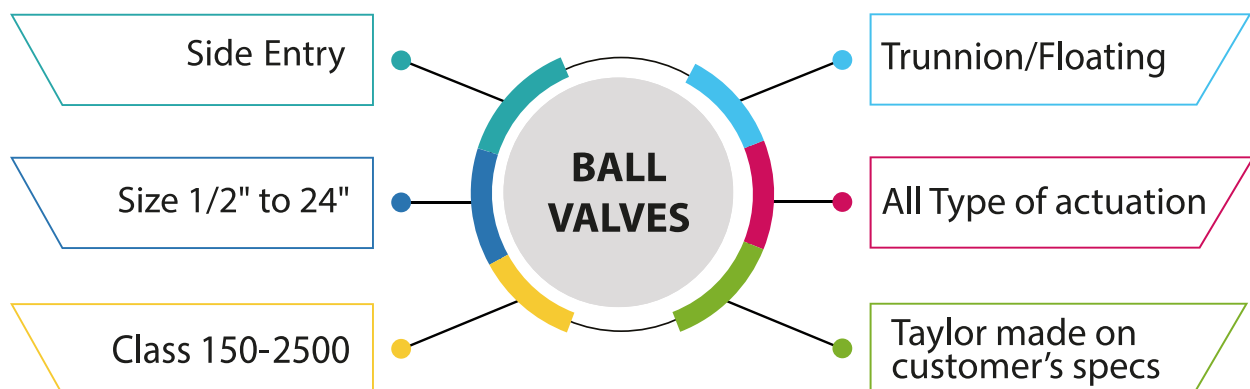
3. BALL MANUFACTURING



In its seven years of operation, KIOS TECHFLOW LLP has developed comprehensive internal engineering resources capable of managing the entire valve manufacturing process. This capability is crucial for greenfield projects and even more so for replacement valves in brownfield sites. KIOS TECHFLOW LLP can meet all valve supply demands throughout the lifecycle of an Oil & Gas field. Furthermore, we produce and test all our products locally, ensuring high local content and providing a CT-KZ certificate.

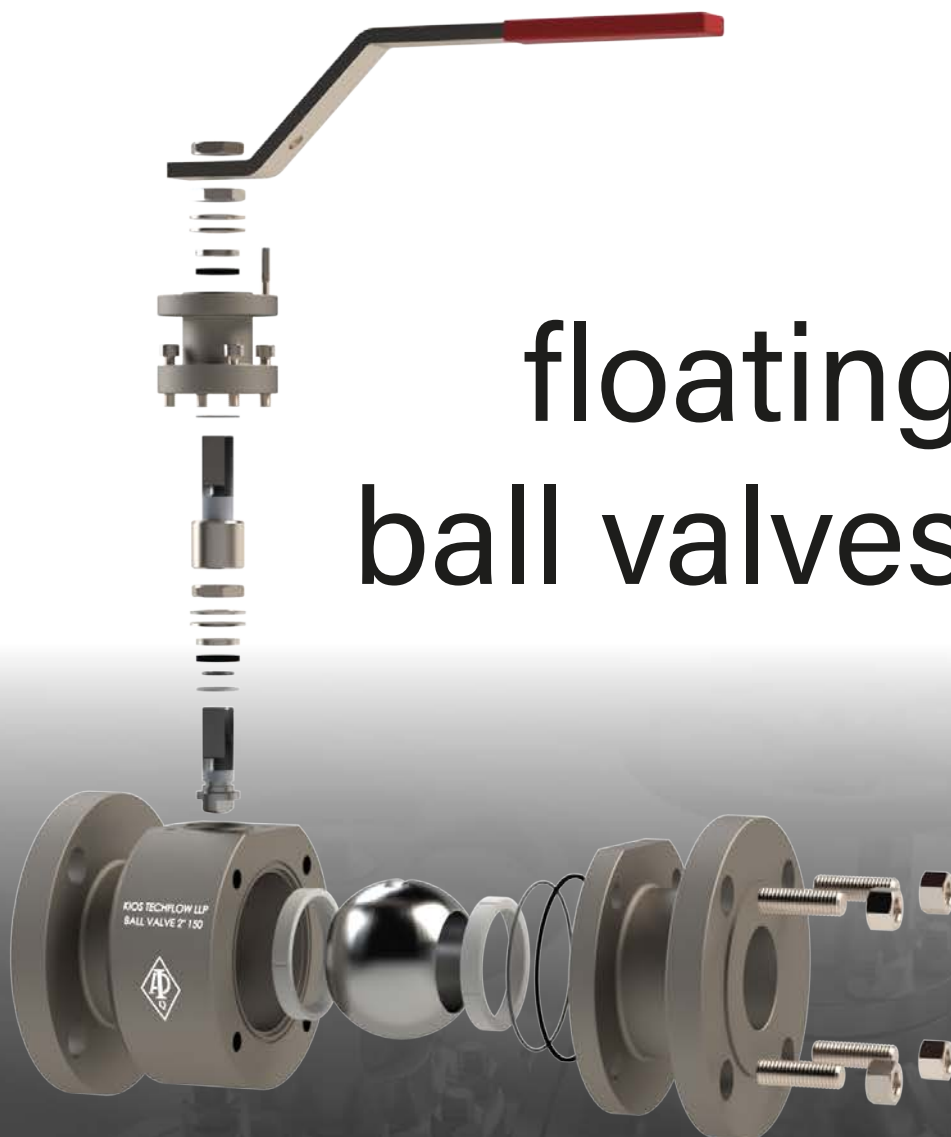
Our design features are tailored specifically for the Oil & Gas industry, incorporating robustness, ease of maintenance, and optimal performance under extreme conditions. This includes soft seat and metal-to-metal sealing, self-relieving and double piston configurations, double block and bleed systems, and various stem and seat seal arrangements. Our ball valves cater to all applications, including special and critical ones. KIOS TECHFLOW LLP offers a tailored material selection, providing valves in Carbon Steel, Stainless Steel, Duplex/Super Duplex, Nickel alloys, and ensuring compliance with NACE MR0175 standards.

Our commitment to quality and compliance guarantees that we meet the stringent demands of the Oil & Gas sector, delivering solutions that ensure operational efficiency and longevity in every valve. Our range includes floating or trunnion-mounted ball valves, constructed to ASME B16.34-API 6D standards, with side-entry and top-entry designs. These valves feature single or double-effect seats, double block & bleed configurations, flanged RF/RTJ or weld ends, ANSI B16.10, or special face-to-face dimensions. They are available in full/reduced bore, with a seat leakage rate to ISO 5208 Rate A, anti-static devices, blowout-proof stems, vent and drain options, and API 607-API 6FA fireproof design. Additionally, the valves can be supplied with manual operation or actuation.

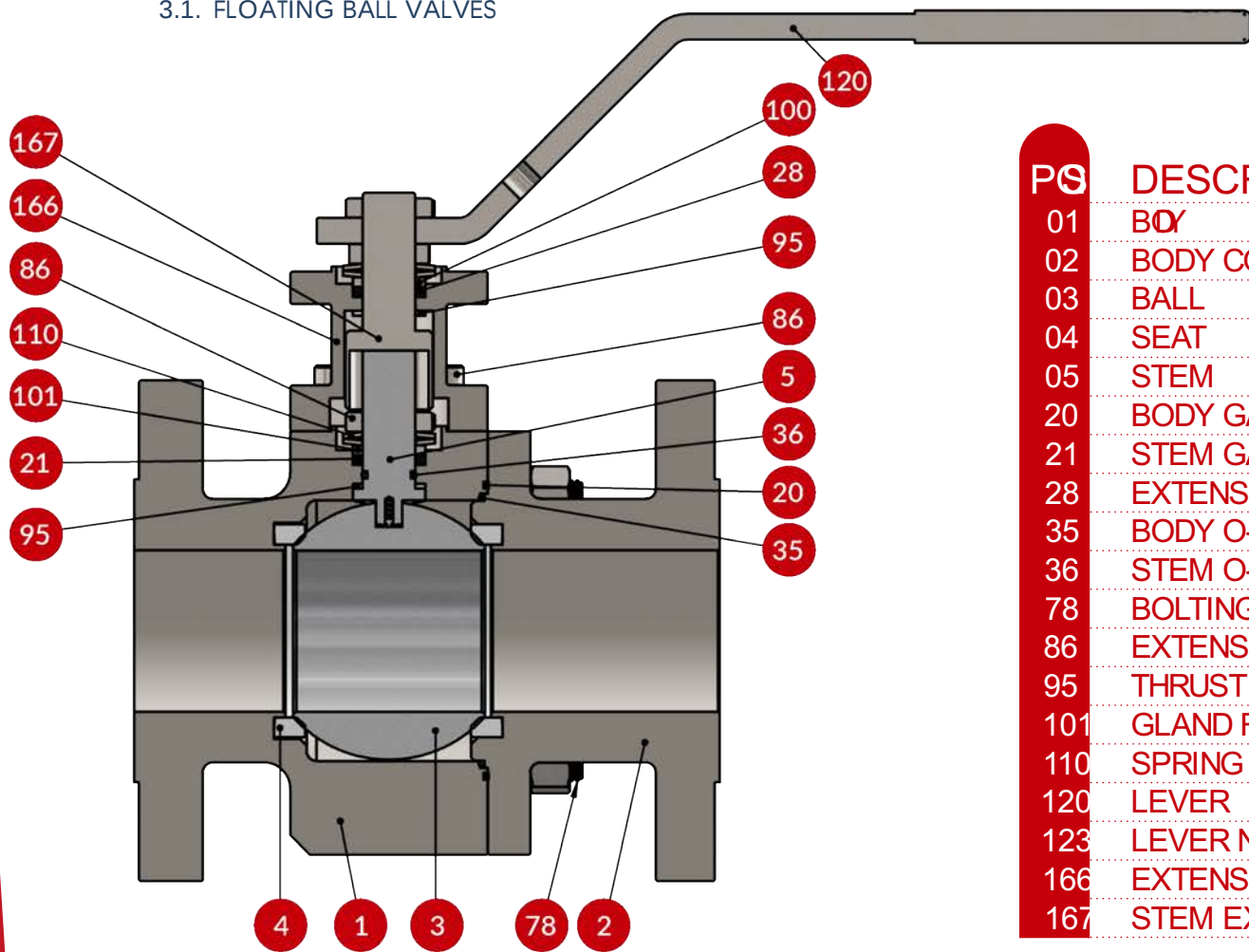




floating ball valves

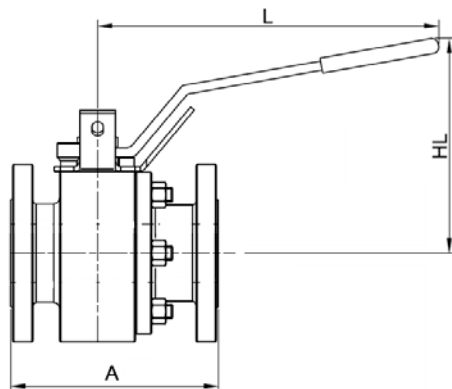


3.1. FLOATING BALL VALVES



PS	DESCRIPTION
01	BO
02	BODY CONNECTOR
03	BALL
04	SEAT
05	STEM
20	BODY GASKET
21	STEM GASKET
28	EXTENSION GASKET
35	BODY O-RING
36	STEM O-RING
78	BOLTING
86	EXTENSION SCREW
95	THRUST WASHER
101	GLAND RING
110	SPRING WASHER
120	LEVER
123	LEVER NUT
166	EXTENSION
167	STEM EXTENSION



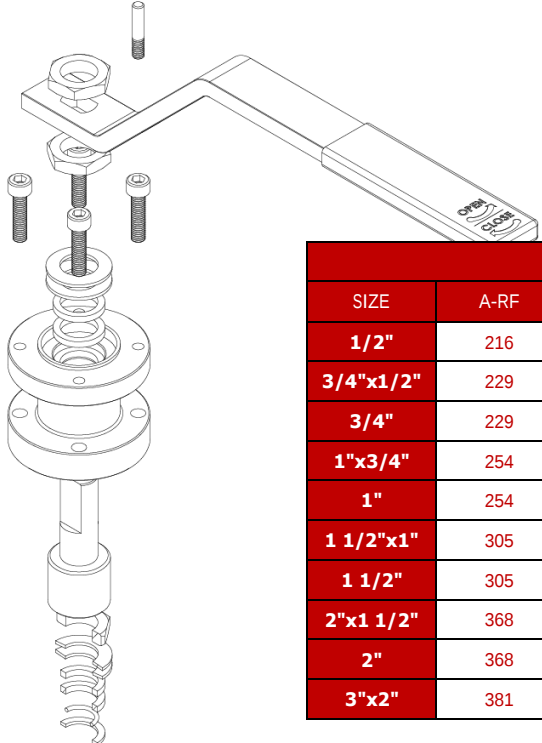


AVAILABILITY						
SIZE	150	300	600	900	1500	2500
1/2"						
3/4"						
1"						
1 1/2"						
2"x1 1/2"						
2"						
3"x2"						
3"						
4"x3"						
4"						
6"x4"						
6"						
8"x6"						
8"						

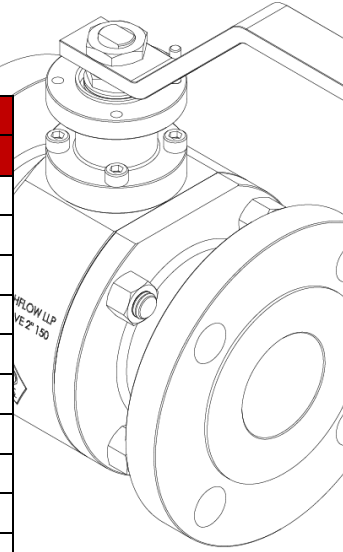
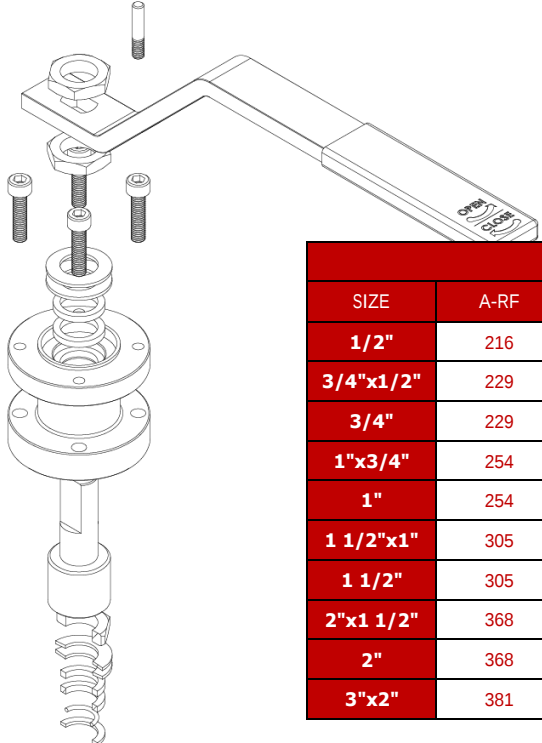
ASME CLASS 150						
SIZE	A-RF	A-RTJ	A-BW	HL	L	WEIGHT
1/2"	108	121	140	116	166	3,5
3/4"x1/2"	117	130	152	116	166	4
3/4"	117	130	152	120	166	4,5
1"x3/4"	127	140	165	120	166	5
1"	127	140	165	125	180	6
1 1/2"x1"	165	178	190	125	180	7,5
1 1/2"	165	178	190	155	250	10
2"x1 1/2"	178	191	216	155	250	12
2"	178	191	216	185	290	16
3"x2"	203	216	283	185	290	22
3"	203	216	283	217	400	30
4"x3"	229	241	305	217	400	42
4"	229	241	305	GEAR	GEAR	58
6"x4"	267	279	403	GEAR	GEAR	70
6"	394	406	457	GEAR	GEAR	115
8"x6"	292	305	419	GEAR	GEAR	155
8"	457	470	521	GEAR	GEAR	170
10"x8"	330	343	457	GEAR	GEAR	230

ASME CLASS 300						
SIZE	A-RF	A-RTJ	A-BW	HL	L	WEIGHT
1/2"	140	151	140	116	166	4
3/4"x1/2"	152	165	152	116	166	5
3/4"	152	165	152	120	166	6
1"x3/4"	165	178	165	120	166	7
1"	165	178	165	125	180	8
1 1/2"x1"	190	203	190	125	180	10
1 1/2"	190	203	190	155	250	13
2"x1 1/2"	216	232	216	155	250	14
2"	216	232	216	185	290	18
3"x2"	283	298	283	185	290	28
3"	283	298	283	217	450	43
4"x3"	305	321	305	217	450	55
4"	305	321	305	GEAR	GEAR	80
6"x4"	403	419	457	GEAR	GEAR	115
6"	403	419	457	GEAR	GEAR	150
8"x6"	419	435	419	GEAR	GEAR	180

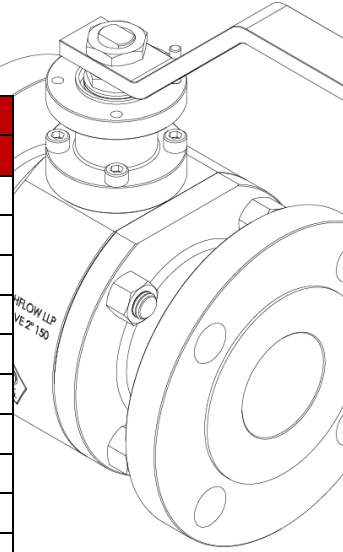
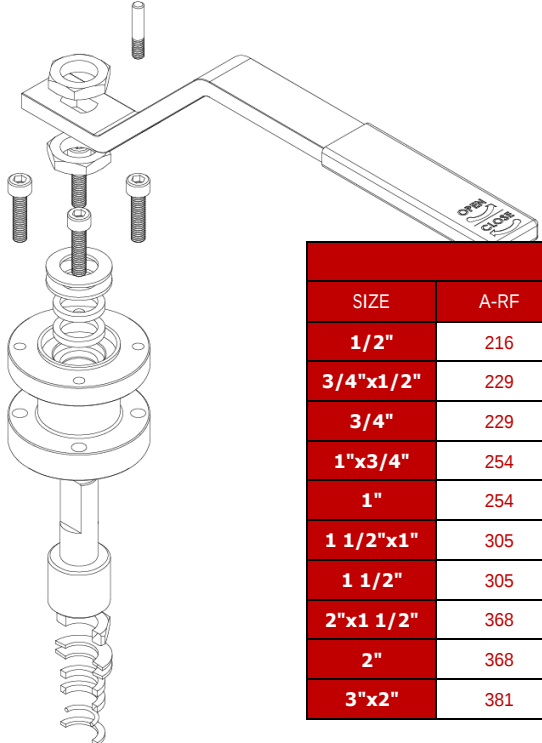
ASME CLASS 600						
SIZE	A-RF	A-RTJ	A-BW	HL	L	WEIGHT
1/2"	165	165	165	116	166	5
3/4"x1/2"	190	190	190	116	166	6
3/4"	190	190	190	120	166	7
1"x3/4"	216	216	216	120	166	8
1"	216	216	216	125	180	9
1 1/2"x1"	241	241	241	125	180	14
1 1/2"	241	241	241	155	250	16
2"x1 1/2"	292	295	292	155	250	18
2"	292	295	292	185	290	23
3"x2"	356	359	356	185	290	37
3"	356	359	356	GEAR	GEAR	65
4"x3"	432	435	432	GEAR	GEAR	85



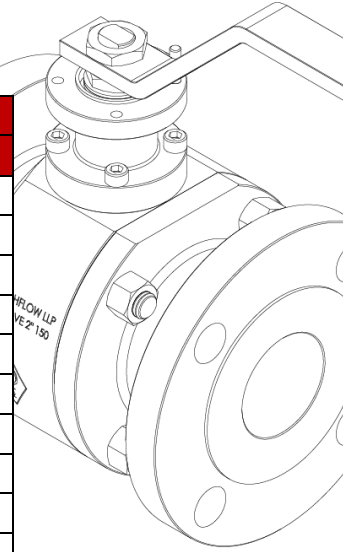
ASME CLASS 900						
SIZE	A-RF	A-RTJ	A-BW	HL	L	WEIGHT
1/2"	216	216	216	116	166	8
3/4"x1/2"	229	229	229	116	166	10
3/4"	229	229	229	139	250	11
1"x3/4"	254	254	254	139	250	14
1"	254	254	254	159	290	17
1 1/2"x1"	305	305	305	159	290	22
1 1/2"	305	305	305	203	450	27
2"x1 1/2"	368	371	368	203	450	38
2"	368	371	368	GEAR	GEAR	63
3"x2"	381	384	381	GEAR	GEAR	90

ASME CLASS 1500						
SIZE	A-RF	A-RTJ	A-BW	HL	L	WEIGHT
1/2"	216	216	216	116	166	8
3/4"x1/2"	229	229	229	116	166	10
3/4"	229	229	229	139	250	11
1"x3/4"	254	254	254	139	250	14
1"	254	254	254	159	290	17
1 1/2"x1"	305	305	305	159	290	22
1 1/2"	305	305	305	GEAR	GEAR	40
2"x1 1/2"	368	371	368	GEAR	GEAR	51

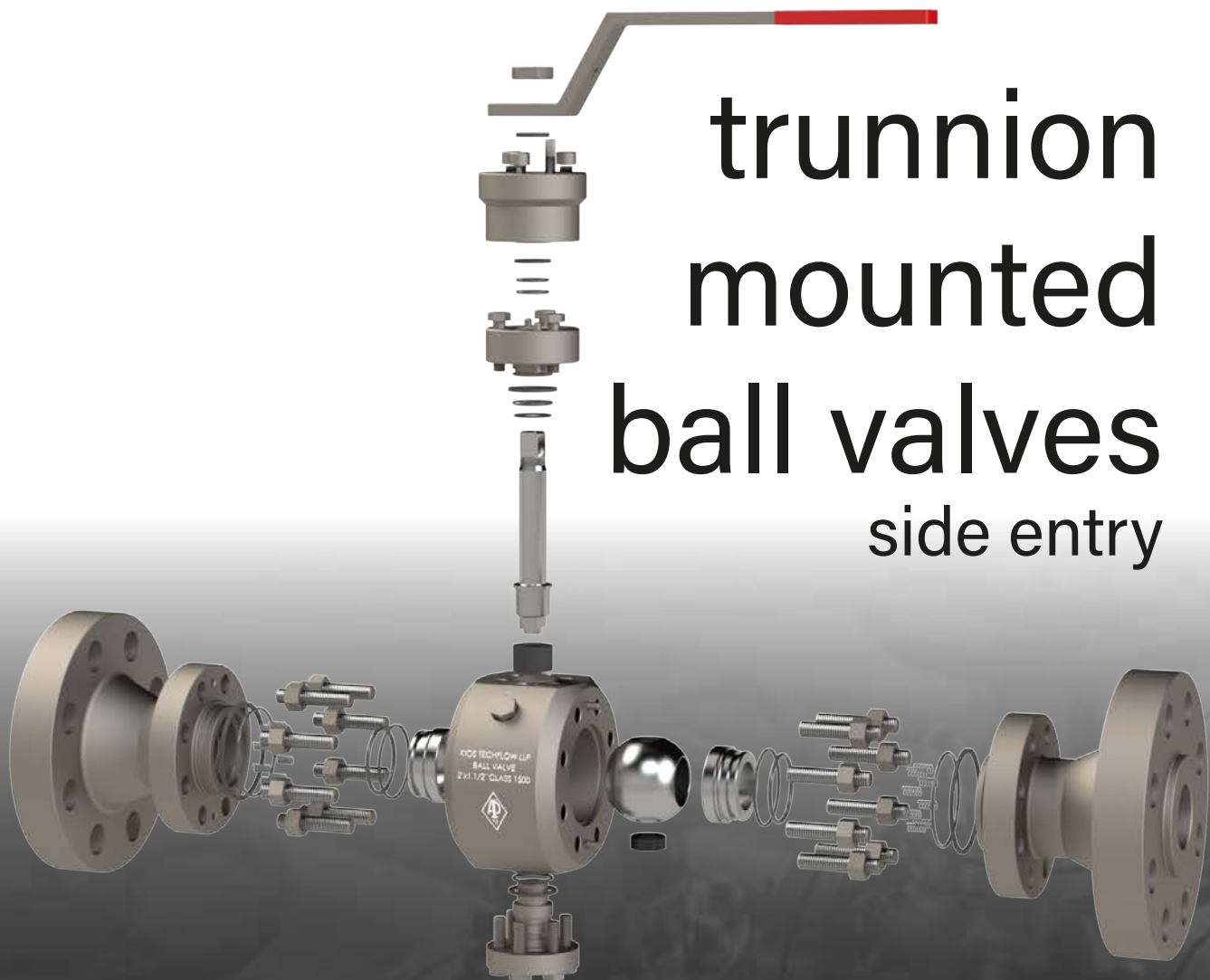



ASME CLASS 2500						
SIZE	A-RF	A-RTJ	A-BW	HL	L	WEIGHT
1/2"	264	264	264	125	250	12
3/4"x1/2"	273	273	273	125	250	14
3/4"	273	273	273	135	250	16
1"x3/4"	308	308	308	135	250	19
1"	308	308	308	185	400	24
1 1/2"x1"	384	387	384	185	400	32
1 1/2"	384	387	384	GEAR	GEAR	55
2"x1 1/2"	451	454	451	GEAR	GEAR	75





trunnion mounted ball valves side entry



small sizes

КИОС ТЕХФЛОУ

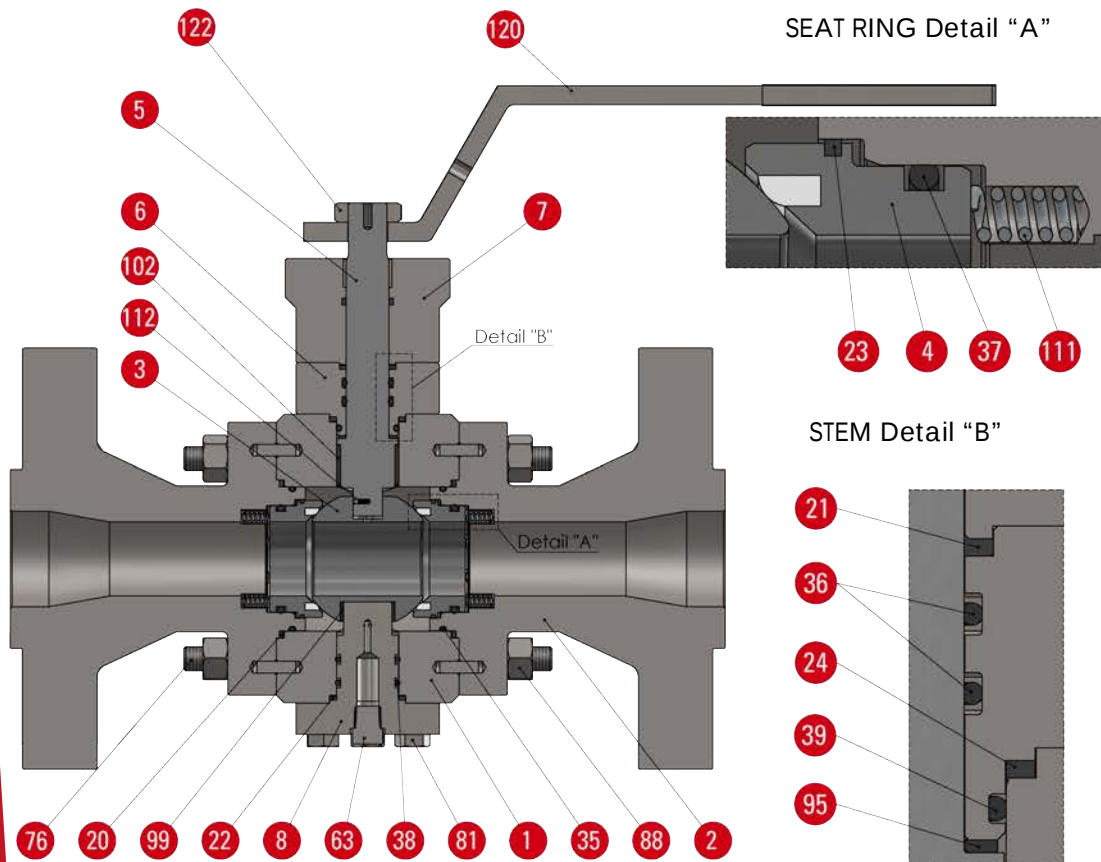


KIOS TECHFLOW

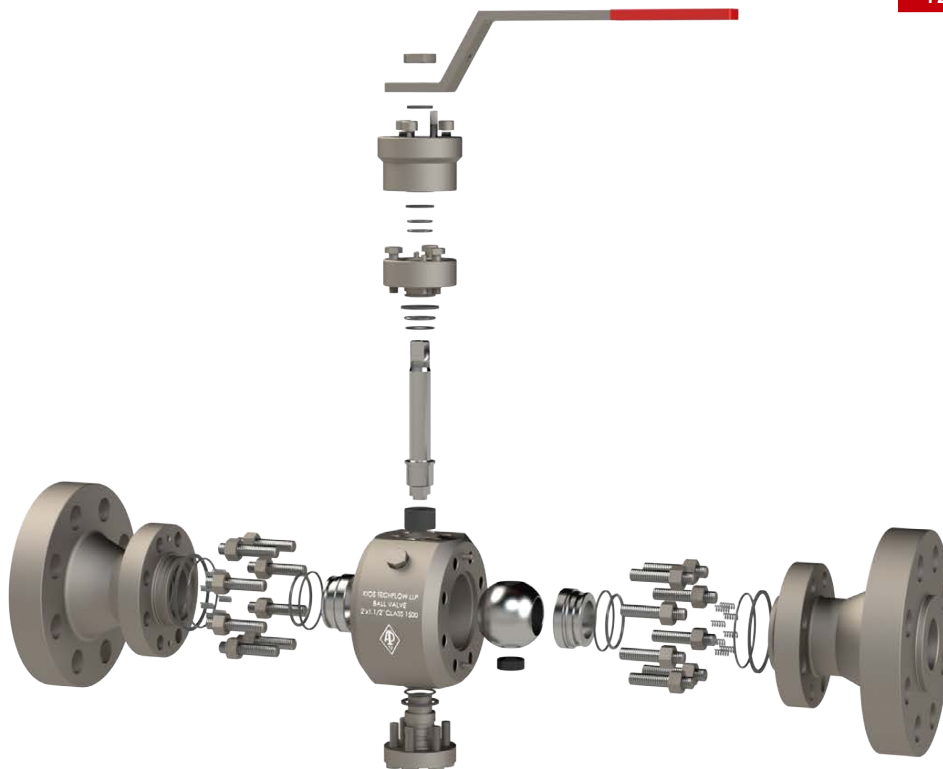
EXPERTISE Group

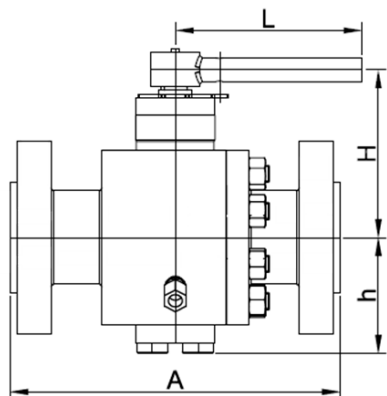


3.2 TRUNNION MOUNTED BALL VALVES - SIDE-ENTRY – small sizes



PS	DESCRIPTION
01	BOY
02	closure
03	BALL
04	SEAT with insert
05	STEM
06	gland
07	adapter plate
08	trunnion
20	body gasket
21	stem gasket
22	trunnion gasket
23	seat f.s. gasket
24	gland plate gasket
35	body o-ring
36	stem o-ring
37	seat o-ring
38	trunnion o-ring
39	gland o-ring
63	drain plug
76	body stud bolt
81	trunnion cap-screw
88	body nut
95	thrust washer
99	trunnion bearing
102	stem bearing
111	seat spring
112	antistatic device
120	lever
122	lever nut





AVAILABILITY

SIZE	150	300	600	900	1500	2500
1/2"						
3/4"x1/2"						
3/4"						
1"x3/4"						
1"						
1.1/2"x1"						
1.1/2"						
2"x1. 1/2"						
2"						
3"x2"						
3"						
4"x3"						
4"						
6"x4"						

ASME CLASS 150

SIZE	A-RF	A-RTJ	A-BW	HL	L	WEIGHT
1/2"	108	121	140	55	73	10
3/4"x1/2"	117	130	152	55	73	11
3/4"	117	130	152	57	75	12
1"x3/4"	127	140	165	57	75	13
1"	127	140	165	79	80	18—
1 1/2"x1"	165	178	190	79	80	20
1 1/2"	165	178	190	115,5	95,5	20
2"x1 1/2"	178	191	216	115,5	95,5	22
2"	178	191	216	121	101	23
3"x2"	203	216	283	121	101	28
3"	203	216	283	142	123	40
4"x3"	229	241	305	142	123	48
4"	229	241	305	177	153	65
6"x4"	394	406	457	177	153	95

ASME CLASS 300						
SIZE	A-RF	A-RTJ	A-BW	HL	L	WEIGHT
1/2"	140	151	140	55	73	12
3/4"x1/2"	152	165	152	55	73	13
3/4"	152	165	152	57	75	14
1"x3/4"	165	178	165	57	75	15
1"	165	178	165	79	80	22
1 1/2"x1"	190	203	190	79	80	24
1 1/2"	190	203	190	115,5	95,5	24
2"x1 1/2"	216	232	216	115,5	95,5	25
2"	216	232	216	121	101	25
3"x2"	283	298	283	121	101	42
3"	283	298	283	142	123	46
4"x3"	305	321	305	142	123	62
4"	305	321	305	177	153	93
6"x4"	403	419	457	177	153	115

ASME CLASS 600						
SIZE	A-RF	A-RTJ	A-BW	HL	L	WEIGHT
1/2"	165	165	165	55	73	12
3/4"x1/2"	190	190	190	55	73	14
3/4"	190	190	190	57	75	17
1"x3/4"	216	216	216	57	75	18
1"	216	216	216	79	80	26
1 1/2"x1"	241	241	241	79	80	28
1 1/2"	241	241	241	115,5	95,5	31
2"x1 1/2"	292	295	292	115,5	95,5	33
2"	292	295	292	121	101	38
3"x2"	356	359	356	121	101	44
3"	356	359	356	142	123	63
4"x3"	432	435	432	142	123	85
4"	432	435	432	182,5	195,5	115
6"x4"	559	562	559	182,5	195,5	169

ASME CLASS 900						
SIZE	A-RF	A-RTJ	A-BW	HL	L	WEIGHT
1/2"	216	216	216	103	75	13
3/4"x1/2"	229	229	229	103	75	15
3/4"	229	229	229	103	75	16
1"x3/4"	254	254	254	103	75	20
1"	254	254	254	114	81	24
1 1/2"x1"	305	305	305	114	81	26
1 1/2"	305	305	305	150	114,5	43,5
2"x1 1/2"	368	371	368	150	114,5	56
2"	368	371	368	165,5	130	73,5
3"x2"	381	384	381	165,5	130	79
3"	381	384	381	180	153	84
4"x3"	457	460	457	180	153	110
4"	457	460	457	191	210	162
6"x4"	610	613	610	191	210	238

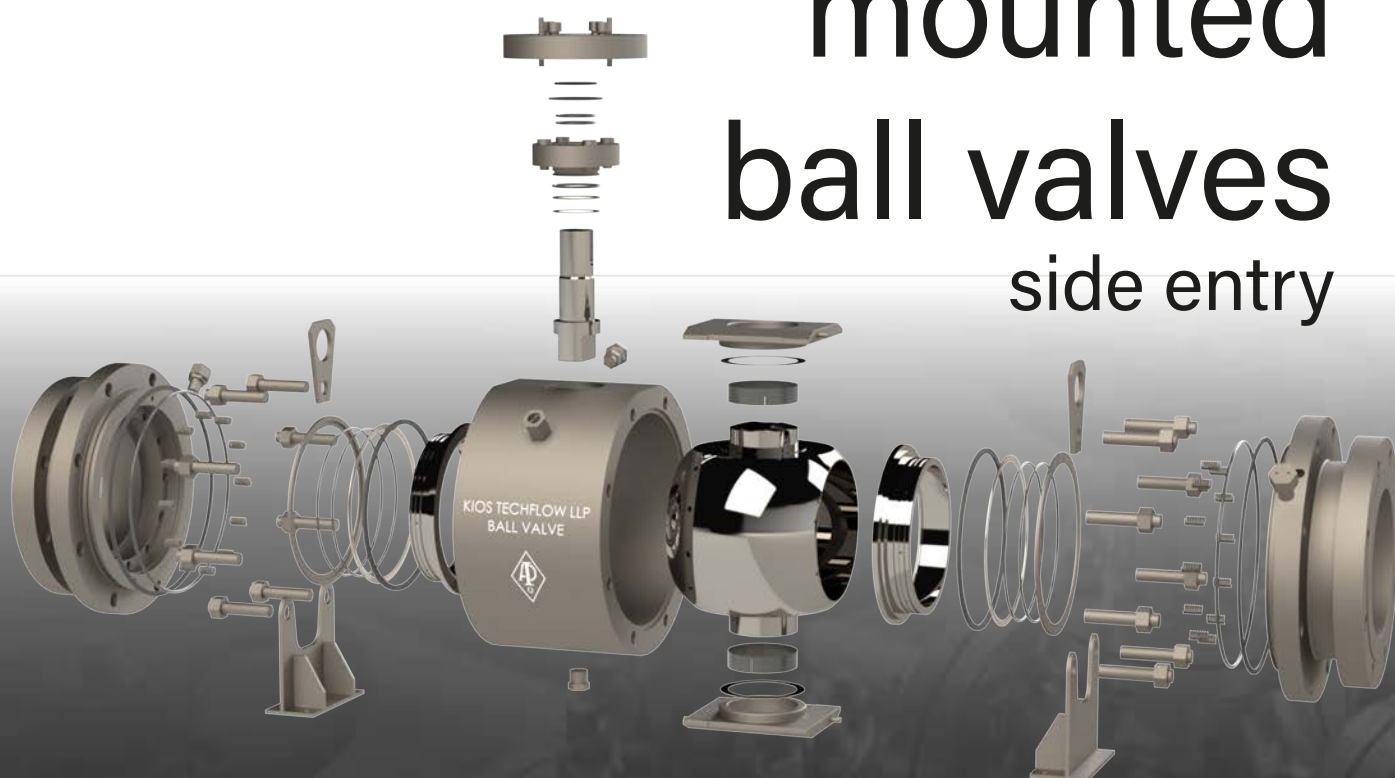
ASME CLASS 1500						
SIZE	A-RF	A-RTJ	A-BW	HL	L	WEIGHT
1/2"	216	216	216	103	75	13
3/4"x1/2"	229	229	229	103	75	15
3/4"	229	229	229	103	75	16
1"x3/4"	254	254	254	103	75	20
1"	254	254	254	114	81	24
1 1/2"x1"	305	305	305	114	81	26
1 1/2"	305	305	305	150	114,5	43,5
2"x1 1/2"	368	371	368	150	114,5	56
2"	368	371	368	165,5	130	73,5
3"x2"	470	473	470	165,5	155	79
3"	470	473	470	180	155	110
4"x3"	546	549	546	180	189	139
4"	546	549	546	205	189	210
6"x4"	705	711	705	205	250	270

ASME CLASS 2500						
SIZE	A-RF	A-RTJ	A-BW	HL	L	WEIGHT
1/2"	264	264	264	102	74	19,5
3/4"x1/2"	273	273	273	102	74	20,5
3/4"	273	273	273	105	77	21,5
1"x3/4"	308	308	308	105	77	26,5
1"	308	308	308	116	93	31,5
1 1/2"x1"	384	387	384	116	93	47
1 1/2"	384	387	384	142	120	62
2"x1 1/2"	451	454	451	142	120	75
2"	451	454	451	148	160	110
3"x2"	578	584	578	148	160	157
3"	578	584	578	205	180	218
4"x3"	673	683	673	205	180	260
4"	673	683	673	218	250	337
6"x4"	914	927	914	218	250	548



trunnion mounted ball valves

side entry



medium sizes

КИОС ТЕХФЛОУ

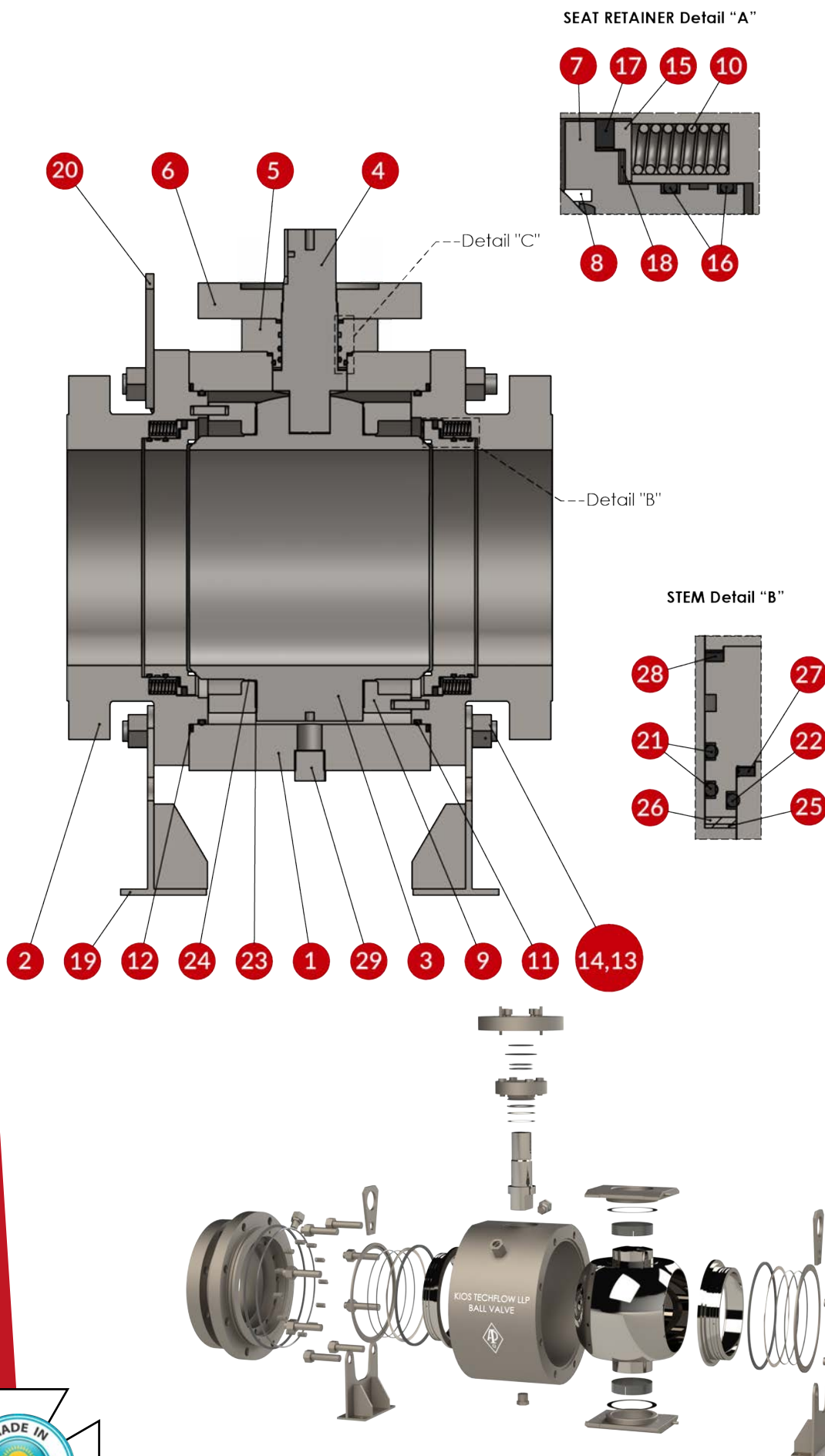


KIOS TECHFLOW

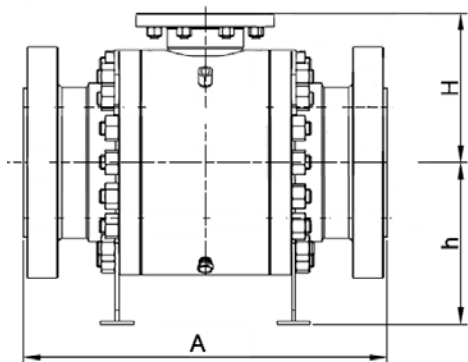
EXPERTISE Group



3.2. TRUNNION MOUNTED BALL VALVES – TOP-ENTRY



PO	DESCRIPTION
01	BO
02	BONNET
03	BALL
04	STEM
05	GLAND
06	ADAPTER PLATE
07	SEAT RETAINER
08	SEAT INSERT
09	SUPPORTING PLATE
10	SPRING
11	O-RING
12	gasket
13	NUT
14	STUD
15	SEAT FOLLOWER
16	O-RING
17	GASKET
18	SPACER RING
19	LEGS
20	LIFTING
21	O-RING
22	O-RING
23	BEARING
24	THRUST WASHER
25	THRUST WASHER
26	METAL WASHER
27	GASKET
28	GASKET
29	SOLID NPT PLUG



AVAILABILITY						
SIZE	150	300	600	900	1500	2500
6"						
8x6"						
8"						
10"x8"						
10"						
12"x10"						
12"						
14"x10"						
14"						
16"x 12"						
16"						
18"x14"						
18"						
20"x16"						
20"						
24"x20"						
24"						

ASME CLASS 150						
SIZE	A-RF	A-RTJ	A-BW	H	h	WEIGHT
6"	394	406	457	220	258	149
8x6"	457	470	521	220	258	158
8"	457	470	521	264,5	268	251,5
10"x8"	533	546	559	264,5	268	290
10"	533	546	559	308	309	425
12"x10"	610	622	635	308	309	485
12"	610	622	635	342	288	590
14"x10"	686	699	762	308	309	530
14"	686	699	762	364,5	323	768
16"x 12"	762	775	838	342	288	750
16"	762	775	838	405,5	389	1114,5
18"x14"	864	876	914	364,5	323	950
18"	864	876	914	448	421	1483,5
20"x16"	914	927	991	405,5	389	1295
20"	914	927	991	494,5	460	1999
24"x20"	1067	1080	1143	494,5	460	2300
24"	1067	1080	1143	572	554	3364

ASME CLASS 300						
SIZE	A-RF	A-RTJ	A-BW	H	h	WEIGHT
6"	403	419	457	220	258	172
8x6"	502	518	521	220	258	196
8"	502	518	521	264,5	268	286
10"x8"	568	584	559	264,5	268	342,5
10"	568	584	559	308	309	467
12"x10"	648	664	635	308	309	547
12"	648	664	635	353	335	738,5
14"x10"	762	778	762	308	309	660
14"	762	778	762	375,5	386,5	983
16"x 12"	838	854	838	353	335	910
16"	838	854	838	422	446	1434
18"x14"	914	930	914	375,5	386,5	1210
18"	914	930	914	469	470	1886,5
20"x16"	991	1010	991	422	446	1660
20"	991	1010	991	513	483	2413,5
24"x20"	1143	1165	1143	513	483	2940
24"	1143	1165	1143	611	599	4177

ASME CLASS 600						
SIZE	A-RF	A-RTJ	A-BW	H	h	WEIGHT
6"	559	562	559	220	258	261
8x6"	660	664	660	220	258	280
8"	660	664	660	270,5	293,5	415
10"x8"	787	791	787	270,5	293,5	534
10"	787	791	787	316	312	708
12"x10"	838	841	838	316	312	772
12"	838	841	838	367	364	1017,5
14"x10"	889	892	889	316	312	845
14"	889	892	889	394	403	1281
16"x 12"	991	994	991	367	364	1245
16"	991	994	991	440	448	1898,5
18"x14"	1092	1095	1092	394	403	1590
18"	1092	1095	1092	493,5	478,5	2622
20"x16"	1194	1200	1194	440	448	2260
20"	1194	1200	1194	530,5	499,5	3202
24"x20"	1295	1305	1295	493,5	478,5	2974
24"	1397	1407	1397	634	599	5672

ASME CLASS 900						
SIZE	A-RF	A-RTJ	A-BW	H	h	WEIGHT
6"	610	613	610	230	268	340
8x6"	737	740	737	230	268	436
8"	737	740	737	300	307	630
10"x8"	838	841	838	300	307	755
10"	838	841	838	342,5	350	1000
12"x10"	965	968	965	342,5	350	1140
12"	965	968	965	384,5	392	1440
14"x10"	1029	1038	1029	342,5	350	1320
14"	1029	1038	1029	395	425,5	1695
16"x 12"	1130	1140	1130	384,5	392	1570
16"	1130	1140	1130	507	475	2150
18"x14"	1219	1232	1219	395	425,5	1930
18"	1219	1232	1219	550	517	3450
20"x16"	1321	1334	1321	507	475	2630
20"	1321	1334	1321	594	565	4250

ASME CLASS 1500						
SIZE	A-RF	A-RTJ	A-BW	H	h	WEIGHT
6"	705	711	705	261	250	495
8x6"	832	841	832	261	290	586
8"	832	841	832	317	321	889
10"x8"	991	1000	991	317	321	1396
10"	991	1000	991	440,5	420	1902
12"x10"	1130	1146	1130	440,5	420	2050
12"	1130	1146	1130	451,5	440	2390
14"x10"	1257	1276	1257	440,5	420	2200
14"	1257	1276	1257	490	530	3000
16"x 12"	1384	1407	1384	451,5	440	2910
16"	1384	1407	1384	555,5	530	3816
18"x14"	1537	1559	Nota 2	490	530	3410
18"	1537	1559	Nota 2	575	570	6150

ASME CLASS 2500						
SIZE	A-RF	A-RTJ	A-BW	H	h	WEIGHT
6"	914	927	914	335	347	1330
8x6"	1022	1038	1022	335	347	1500
8"	1022	1038	1022	442	395	1969
10"x8"	1270	1292	1270	442	395	2260
10"	1270	1292	1270	494	461	2550
12"x10"	1422	1445	1422	494	461	3211
12"	1422	1445	1422	522	488	3872



workshop & equipments



КИОС ТЕХФЛОУ



KIOS TECHFLOW

EXPERTISE Group



4. WORKSHOP AND EQUIPMENT

KIOS TECHFLOW LLP has a workshop of 2,150 sqm fully equipped for maintenance and production of valves.

The main equipment present in our workshop are:

- ✓ Hydraulic test benches
- ✓ Gas test bench
- ✓ Actuator test bench
- ✓ LTT and FET capabilities
- ✓ Column drill machine
- ✓ CNC Vertical Lathe machine
- ✓ CNC Ball Grinder machine
- ✓ Mill machine
- ✓ Horizontal lathe machine
- ✓ Slotting machine
- ✓ Press machine (up to 100 tons)
- ✓ Lapping unit
- ✓ Automatic Welding equipment
- ✓ Washing and Cleaning area
- ✓ Overhead crane (5 tons)
- ✓ Quality Control Tools (Caliper, gauges, etc)
- ✓ PMI laser tool
- ✓ Forklift (up to 3 tons)





Inconel Overlay Welding Station



Vertical Lathe - CNC



Ball Grinding - CNC



Actuators Test Bench



certifications



5. CERTIFICATIONS

STATE SYSTEM OF TECHNICAL REGULATION
OF THE REPUBLIC OF KAZAKHSTAN

CERTIFICATE OF CONFORMITY
registered in the data register
of the state system of technical regulation
15.04.2024
№ KZ.Q.01.0318.C23.04940
Valid until 15.04.2027
Date of initial certification: 14.04.2021

CONFORMITY ASSESSMENT AUTHORITY
BIN 001040000498, "National centre for expertise and certification" JSC, 28/1, st. Mukhtar Auezov, Saryarkinskiy district, Astana, Kazakhstan

THIS CERTIFICATE IS ISSUED
170740020756, «KIOS Techflow» LLP, 67H, Promyshlennaya zona street, Aksai, Burinsky region, WKO, Kazakhstan

AND CERTIFIES THAT
Quality management systems

APPLIED TO
(certification according to the Appendix)

COMPLIES WITH REQUIREMENTS
ST RK ISO 9001:2016 (ISO 9001:2015) Quality management systems — Requirements

Head of the conformity assessment body or
a person authorized by him Anissimova Marina
Expert auditor Karpov Alexey

This document, in accordance with paragraph 1 of Article 7 of the Law of the Republic of Kazakhstan dated January 7, 2003 N370-II "On Electronic Document and Electronic Digital Signature", is equivalent to a document on paper.

STATE SYSTEM OF TECHNICAL REGULATION
OF THE REPUBLIC OF KAZAKHSTAN

CERTIFICATE OF CONFORMITY
registered in the data register
of the state system of technical regulation
13.05.2024
№ KZ.Q.01.0318.C24.06757
Valid until 13.05.2027
Date of initial certification: 13.05.2024

CONFORMITY ASSESSMENT AUTHORITY
BIN 001040000498, "National centre for expertise and certification" JSC, 28/1, Mukhtar Auezov street, Saryarkinskiy region, Astana city, Kazakhstan

THIS CERTIFICATE IS ISSUED
170740020756, «KIOS Techflow» LLP, 67H, Promyshlennaya zona street, Aksai, Burinsky region, WKO, Kazakhstan

AND CERTIFIES THAT
Environmental management systems

APPLIED TO
(certification according to the Appendix)

COMPLIES WITH REQUIREMENTS
ST RK ISO 14001:2016 (ISO 14001:2015) Environmental management systems — Requirements with guidance for use

Head of the conformity assessment body or
a person authorized by him Yelenssova Akmaral
Expert auditor Anissimova Marina

This document, in accordance with paragraph 1 of Article 7 of the Law of the Republic of Kazakhstan dated January 7, 2003 N370-II "On Electronic Document and Electronic Digital Signature", is equivalent to a document on paper.

ISO 9001

STATE SYSTEM OF TECHNICAL REGULATION
OF THE REPUBLIC OF KAZAKHSTAN

CERTIFICATE OF CONFORMITY
registered in the data register
of the state system of technical regulation
13.05.2024
№ KZ.Q.01.0318.C24.06758
Valid until 13.05.2027
Date of initial certification: 13.05.2024

CONFORMITY ASSESSMENT AUTHORITY
BIN 001040000498, "National centre for expertise and certification" JSC, 28/1, Mukhtar Auezov street, Saryarkinskiy region, Astana city, Kazakhstan

THIS CERTIFICATE IS ISSUED
170740020756, «KIOS Techflow» LLP, 67H, Promyshlennaya zona street, Aksai, Burinsky region, WKO, Kazakhstan

AND CERTIFIES THAT
Occupational health and safety management systems

APPLIED TO
(certification according to the Appendix)

COMPLIES WITH REQUIREMENTS
ISO 45001:2019 (ISO 45001:2018) Occupational health and safety management systems — Requirements with guidance for use

Head of the conformity assessment body or
a person authorized by him Yelenssova Akmaral
Expert auditor Karpov Alexey

This document, in accordance with paragraph 1 of Article 7 of the Law of the Republic of Kazakhstan dated January 7, 2003 N370-II "On Electronic Document and Electronic Digital Signature", is equivalent to a document on paper.

ISO 45001

ISO 14001

API American Petroleum Institute

REGISTRATION NO. Q1-5004

Certificate of Registration

The American Petroleum Institute certifies that the quality management system of
KIOS TECHFLOW LLP
Promyshlennaya Zona Street, 67H
Aksai, West Kazakhstan Oblast
Kazakhstan

has been assessed by the American Petroleum Institute and found to be in conformance with the following:

API Spec Q1, 9th Edition

The scope of this registration and the approved quality management system applies to the
Design, Manufacture, Test, Service, Repair, Refurbishment and Upgrade of Valves and Accessories for the Oil and Gas Industry

API approves the organization's justification for excluding

No Exclusions Identified as Applicable

Effective Date: MARCH 22, 2024
Expiration Date: MARCH 22, 2027
Registered Since: MARCH 22, 2024

 *Anchal Liddar*
Senior Vice President of Global Industry Services

This certificate is valid for the period specified herein. The registered organization must continually meet all requirements of API Spec Q1, Specification for Quality Management System Requirements for Manufacturing Organizations for the Petroleum and Natural Gas Industry, and the requirements of the Registration Agreement. Registration is maintained and regularly monitored through annual full system audits. This certificate has been issued from API offices located at 200 Massachusetts Avenue, 800 Suite 1500, Washington, DC 20001-5571, U.S.A. It is the property of API and must be returned upon request. To verify the authenticity of this certificate, go to www.api.org/compositelid.

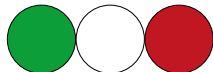
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API SPEC Q1





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