

F15系列 两段式浮动球阀 法兰式、全通径

F15 series two section floating ball valve flange type, full bore

铁野控制阀门(上海)有限公司
YEAH CONTROL VALVE (SHANGHAI) CO., LTD.

可选驱动配置 Optional driver configuration



可手动操作
Operable manually



可蜗轮操作
Operable worm gear



可气动操作
Operable pneumatic



可电动操作
Operable electrically

概述及应用

F15系列结构简单,球体为浮动结构依靠介质作用在球体上的单项力,使球体向一侧的阀座靠拢。通过挤压阀座实现密封功能,主要应用于低压的切断场合。该系列阀门是作为管道开关使用的理想产品,它具有结构紧凑、重量轻、流通能力高、切断性能强、使用寿命长等特点。目前是蒸汽、烃类、腐蚀性介质等工况的最佳选择。

产品特点

- > 执行机构连接采用ISO5211国际标准
- > 全通径结构及锁定装置设计
- > 流通能力强、流阻小、双向密封
- > 阀杆防飞出结构、防火、防静电设计
- > 阀腔带自泄压
- > 阀座带有自洁功能
- > 可选多种执行机构

技术参数 Technical Parameters

公称通径 Nominal diameter	DN15~DN200(1/2"~8")
压力等级 Pressure grade	PN16 Class150 10K
工作温度 Operating temperature	-40°C~425°C
连接方式 Connection	法兰 Flange
密封形式 Sealing	RPTFE UHMWPE PEEK、全金属阀座
主要材质 Main materials	碳钢、不锈钢、特种合金 Carbon steel, stainless steel, and special alloy

Overview and Application

The F15 series features a simple structure. With a floating structure, the ball approaches a lateral seat by relying on the single force applied by the medium onto the ball. It can achieve sealing functions by extruding the seat. It is mainly applied to low-pressure shut-off scenarios. Such valves are perfect choices for pipeline switches, for they have apparent features, such as compact structure, low weight, high flow capacity, outstanding shut-off performance, and long service life. Currently, it is the best choice for the working conditions involving steam, hydrocarbon, and any corrosive mediums.

Product Features

- The international standard ISO5211 is adopted for the actuator;
- Full-bore structure and lock device design;
- Excellent flow capacity, small flow resistance, and two-way sealing;
- Stem anti-popping structure, fireproof and anti-static design;
- Cavity with self-pressure relief;
- Seat with self-cleaning function;
- Multiple actuators are optional.

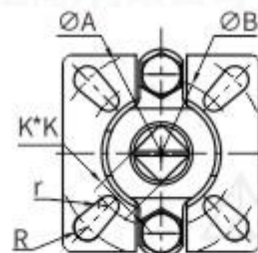
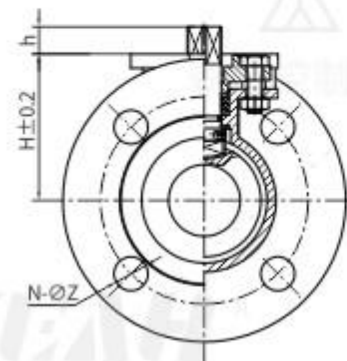
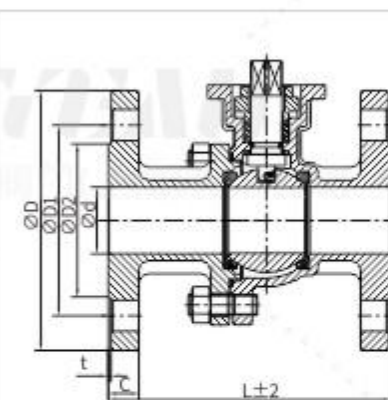
产品认证 Product Certification

TUV IEC61508-SIL3安全
完整性功能认证
TUV ISO15848低泄漏认证
TUV API607防火认证

TUV IEC61508-SIL3 Certification
of safety and integrated functions
TUV ISO15848 Low-leakage
certification
TUV API607 Fireproofing certification



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GB DN15-DN200-PN16

SIZE	d	D	D1	D2	C	t	L	H	A	B	R	r	K*K	h	N-Φz
DN15	15	95	65	45	16	2	130	50	50	36	3.5	3	9*9	9	4-Φ14
DN20	20	105	75	58	18	2	130	54	50	36	3.5	3	9*9	9	4-Φ14
DN25	25	115	85	68	18	2	140	61	70	50	4.5	3.5	11*11	11	4-Φ14
DN32	32	140	100	78	18	2	165	74	70	50	4.5	3.5	11*11	11	4-Φ18
DN40	40	150	110	88	18	3	165	78	70	50	4.5	3.5	14*14	14	4-Φ18
DN50	50	165	125	102	20	3	203	82	70	50	4.5	3.5	14*14	14	4-Φ18
DN65	65	185	145	122	18	3	222	112	102	70	5.5	4.5	17*17	17	8-Φ18
DN80	80	200	160	138	20	3	241	120	102	70	5.5	4.5	17*17	17	8-Φ18
DN100	100	220	180	158	20	3	305	144	102	70	5.5	4.5	17*17	17	8-Φ18
DN125	125	250	210	188	22	3	356	178	125	102	7	6	22	23	8-Φ18
DN150	150	285	240	212	22	3	394	195	125	102	7	6	27	28	8-Φ22
DN200	200	340	295	268	24	3	457	253	140	125	9	7	27	28	12-Φ22

ASME 1/2"-8"-150LB

SIZE	d	D	D1	D2	C	t	L	H	A	B	R	r	K*K	h	N-Φz
1/2"	15	90	60.5	35	10	2	108	51	50	36	3.5	3	9*9	9	4-Φ16
3/4"	20	100	70	43	11	2	117	56	50	36	3.5	3	9*9	9	4-Φ16
1"	25	110	79.5	51	12	2	127	62	70	50	4.5	3.5	11*11	11	4-Φ16
1 1/4"	32	115	89	63.5	13	2	140	72	70	50	4.5	3.5	11*11	11	4-Φ16
1 1/2"	40	125	98.5	73	15	2	165	78	70	50	4.5	3.5	14*14	14	4-Φ16
2"	50	150	120.5	92	17	2	178	86	70	50	4.5	3.5	14*14	14	4-Φ19
2 1/2"	65	180	140	105	18	2	190	102	102	70	5.5	4.5	17*17	17	4-Φ19
3"	80	190	152.5	127	20	2	203	115	102	70	5.5	4.5	17*17	17	4-Φ19
4"	100	230	190.5	157	24	2	229	137	102	70	5.5	4.5	17*17	17	8-Φ19
5"	125	255	216	186	24	2	356	175	125	102	7	6	22	23	8-Φ22
6"	150	280	241.5	216	26	2	394	208	125	102	7	6	27	28	8-Φ22
8"	200	345	298.5	267	29	2	457	252	140	125	9	7	27	28	8-Φ22

JIS 15A-200A-10K

SIZE	d	D	D1	D2	C	t	L	H	A	B	R	r	K*K	h	N-Φz
15A	15	95	70	51	12	1	108	51	50	36	3.5	3	9*9	9	4-Φ15
20A	20	100	75	56	14	1	117	56	50	36	3.5	3	9*9	9	4-Φ15
25A	25	125	90	67	14	1	127	62	50	42	3.5	3	11*11	11	4-Φ19
32A	32	135	100	76	16	2	140	72	50	42	3.5	3	11*11	11	4-Φ19
40A	40	140	105	81	16	2	165	78	70	50	4.5	3.5	14*14	14	4-Φ19
50A	50	155	120	96	16	2	178	86	70	50	4.5	3.5	14*14	14	4-Φ19
65A	65	175	140	116	18	2	190	102	102	70	5.5	4.5	17*17	17	4-Φ19
80A	80	185	150	126	18	2	203	115	102	70	5.5	4.5	17*17	17	8-Φ19
100A	100	210	175	151	18	2	229	137	102	70	5.5	4.5	17*17	17	8-Φ19
125A	125	250	210	185	20	2	356	175	125	102	7	6	22	23	8-Φ23
150A	150	280	240	215	22	2	394	208	125	102	7	6	27	28	8-Φ23
200A	200	330	290	265	22	2	457	252	140	125	9	7	27	28	12-Φ23

DIN DN15-DN200-PN16

SIZE	d	D	D1	D2	C	t	L	H	A	B	R	r	K*K	h	N-Φz
DN15	15	95	65	45	16	2	115	55	50	36	3.5	3	9*9	9	4-Φ14
DN20	20	105	75	58	18	2	120	60	50	36	3.5	3	9*9	9	4-Φ14
DN25	25	115	85	68	18	2	125	67	70	50	4.5	3.5	11*11	11	4-Φ14
DN32	32	140	100	78	18	2	130	76	70	50	4.5	3.5	11*11	11	4-Φ18
DN40	40	150	110	88	18	3	140	85	70	50	4.5	3.5	14*14	14	4-Φ18
DN50	50	165	125	102	18	3	150	93	70	50	4.5	3.5	14*14	14	4-Φ18
DN65	65	185	145	122	18	3	170	113	102	70	5.5	4.5	17*17	17	8-Φ18
DN80	80	200	160	138	20	3	180	126	102	70	5.5	4.5	17*17	17	8-Φ18
DN100	100	220	180	158	20	3	190	141	102	70	5.5	4.5	17*17	17	8-Φ18
DN125	125	250	210	188	22	3	325	180	125	102	7	6	22	23	8-Φ18
DN150	150	285	240	212	22	3	350	207	125	102	7	6	27	27	8-Φ22
DN200	200	340	295	268	24	3	400	256	140	125	9	7	36	36	12-Φ22