



KS Q ISO 9001:2015/ISO9001:2008 Quality Management System Certification Company
 Main-Biz Company / Inno-Biz Company / Excellent Human Resources Development Agency
 Korea Industry Standard Certification Mark KS Company / Korea Fire Institute Model Approval Company
 Hygiene Safety Standard Certification Company / Public Procurement Service Registered Company

WONIL



Company History and Caryification Status

1987. 08	Established Wonil Industry.
1987. 08	Produced rubber pump connector. Produced water hammer cushion.
1993. 09	Produced bellows type expansion pipe joint.
1997. 07	Moved factory for expansion(24-2, Wolsan-Il, Hwado-eub, Namyangju-city, Gyeonggi-do).
1998. 01	Introduction of in-house quality management, membership of Korea Standards Association.
1998. 04	Factory registration in Namyangju city.
1998. 07	Achieved KS standard certification for bellows type expansion pipe joint(KS B 1536).
1998. 08	KSA 9002, ISO 9002 Introduction of quality assurance system, KSA 9002, ISO 9002 System introduction.
1998. 11	Technical guidance of SME Promotion Corporation.
1999. 01	Produced butterfly valve, cast iron valves Merger and Acquisition of Daeil Valve Co., Ltd.
2000. 03	Rubberpumpconnector(Tierodtype 10kgf/cm ²) design registration.
2001. 02	Achieved KS standard certification for bronze valves_10kgf/cm ² (KS B 2301).
2002. 01	Made an agreement of academic-Industrial cooperative for technology development with Kyungmin collage of fire fighting dept - development task selected by the small and medium business administration(200-10) / Fire Extinguishing Agent Automatic fire detection system
2002. 04	Established Affiliated Valve Technology Center.
2002. 05	Developed of magnetic type thermostatic valve. - Registered utility model for multi complex valve for construction equipment.
2002. 06	Developed Cage type 16 kgf/cm ² plunger valve, bellows seal valve. Registered utility model for control valve by each generation(No. 0287726), automatic thermostatic valve by generation(No. 0287731), auto air vent valve for composite type (No. 0288371).
2002. 07	Development of quick-open type plunger valve and registration of utility model(No. 0290502).
2002. 10	Achieved KS standard certification for cast iron valves(KS B 2350).
2003. 04	Achieved KS standard certification for cast iron 1MPa Y type steam strainer(KS B 1538).
2003. 08	Selected as a promising small and medium enterprise by Gyeonggi Province (Certification No.: 2003-208).
2003. 12	System switch authentication(KS A 9001:2001/ISO 9001:2000).
2004. 02	Moved factory for expansion (595-1, Songchun-ri, Sudong-myeon, Namyangju-si, Gyeonggi-do).
2004. 04	Registered in cooperation company of Daewoo E&C.
2004. 06	Applied patent for pressure-resistant expansion joint(singles, doubles) Achieved KS standard certification for cast iron valves(angle valve)(KS B 2350). Achieved KS standard certification for wafer type rubber-seated butterfly valve(KS B 2813).
2004. 10	Started production of forged gate, globe, swing check, lift check valve.
2004. 12	Achieved KS standard certification for cast steel flange type valves(gate, globe, swing check)_20kgf/cm ² (KS B 2361).
2005. 08	Achieved KS standard certification for ductile cast iron sluice valves for water(KS B 2334).
2005. 09	Obtained KFI certification for alam valve.
2005. 11	Obtained KFI certification for pre-action valve.
2007. 12	Achieved KS standard certification for cast steel flange type valves(gate, globe, swing check)_10kgf/cm ² (KS B 2361).
2008. 10	Selected as a company with excellent quality competitiveness(Ministry of Knowledge Economy, KATS, KSA).
2010. 03	Designated as a quality assurance company (Q mark) - Korea Testing Certification(KTC).
2011. 03	Achieved KS standard certification for brass ball valves(KS B 2308).
2011. 08	Achieved KS standard certification for cast steel flange type valves(gate)_10kgf/cm ² /20kgf/cm ² (KS B 2361).
2012. 08	Achieved sanitary safety standard KC certification for bellows type expansion pipe joint, flexiblejoint, water pressure reducing valve.
2012. 12	Achieved sanitary safety standard KC certification for auto air vent valve for water.
2013. 05	Achieved sanitary safety standard KC certification for cast steel valves(gate/globe-epoxy paint), stainer(epoxy paint).
2013. 06	Gyeonggi-do Quality Management Promotion Commendation.
2013. 09	Certified as an excellent organization from human resource development.
2013. 09	Achieved sanitary safety standard KC certification for tie-rod type bellows pump connector.
2014. 04	Management Innovation Type SME Certification: MAIN BIZ(Small and Medium Business Administration).
2014. 06	Work, Education Program Certification: Teak Welding (Korea Industrial Accreditation Corporation)
2014. 07	Achieved KS standard certification for wafer type rubber-seated butterfly valve(KS B 2813).
2014. 08	Innovative SME (INNO-BIZ).
2014. 10	Designated as strong small enterprise by field recommendation (2015).
2014. 10	Selected asan excellent company for job creation.
2015. 02	Obtained KFI certification for alam valve(검15-32).
2015. 03	Obtained KFI certification for pre-action valve(검15-43).
2015. 11	Received the Best Product award in 14th Korea Safety Award.
2015. 11	Awarded with the Minister prize in Korea Safety Technology Award.
2016. 08	Achieved sanitary safety standard KC certification for water hammer cushion.
2016. 11	Changed CEO (CEO Hwang Kwang Yeon - CEO Jung Jong Min).
2017. 02	Achieved KS standard certification for cast iron valves(KS B 2350).
2017. 02	Achieved KS standard certification for cast iron 1MPa Y type steam strainer(KS B 1538).
2017. 04	Achieved sanitary safety standard KC certification for wafer type rubber-seated butterfly valve.
2017. 04	Obtained KFI certification for pre-action valve(검17-05).
2017. 04	Achieved sanitary safety standard KC certification for check valve(swing check).
2017. 07	Achieved sanitary safety standard KC certification for check valve(hammerless check).
2017. 09	Obtained KFI certification for alam valve(검17-13).
2017. 09	Obtained KFI certification for tamper indicated gate valve(flange thpe), butterfly valve(rug type).
2017. 11	Achieved sanitary safety standard KC certification for wafer type rubber-seated butterfly valve.
2017. 11	Achieved sanitary safety standard KC certification for cast iron valves(gate-epoxy, globe-epoxy).
2018. 03	Achieved sanitary safety standard KC certification for groove pipe fitting(flange adapter).

Cast Iron Gate Valve (OS&Y)



Model	WGO-10	
Applicable Fluid	Water, General liquid	
Applicable Pressure	Max. 1.6Mpa	
Applicable Temperature	Max. 120 °C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	GC200
	TRIM	STS304/CAC406
Size	L	H
40A	180	365
50A	180	365
65A	190	425
80A	200	490
100A	230	575
125A	250	685
150A	270	795
200A	290	950
250A	330	1000
300A	350	1050
350A	450	1115
400A	480	1130
450A	510	1210
500A	540	1390
600A	600	1610

- Must be installed vertically for 350A over size
- Epoxy paint products for Drinking Water
- Made to order for sizes max.700A



Cast Iron Gate Valve (OS&Y)



Model	WGN-10	
Applicable Fluid	Water, General liquid	
Applicable Pressure	Max. 1.6Mpa	
Applicable Temperature	Max. 120 °C	
Connecting Method	JIS10K Flanged	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	GC200
	TRIM	STS304/CAC406
Size	L	H
40A	180	300
50A	180	300
65A	190	330
80A	200	380
100A	230	430
125A	250	490
150A	270	560
200A	290	650
250A	330	770
300A	350	885
350A	380	1155

- Epoxy paint products for Drinking Water



Cast Iron Globe Valve



Model	WGL-10	
Applicable Fluid	Water, Steam, Oil	
Applicable Pressure	Max. 0.98 MPa / 1.6Mpa	
Applicable Temperature	Max. 150 °C	
Connecting Method	JIS10K Flanged	
Hydraulic Testing	2.1 MPa at Water Pressure	
Material	BODY	GC200
	TRIM	STS304/CAC406
Size	L	H
40A	190	250
50A	200	275
65A	220	310
80A	240	340
100A	290	390
125A	360	460
150A	410	515
200A	500	610
250A	622	580
300A	696	700

- Epoxy paint products for Drinking Water



Cast Iron Swing Check Valve



Model	WSC-10	
Applicable Fluid	Water	
Applicable Pressure	0.98 MPa / 1.6Mpa	
Applicable Temperature	120° C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	1.5MPa at Water Pressure	
Material	BODY	GC200
	TRIM	CAC406/C3771/NBR
Size	L	H
50A	175	110
65A	180	117
80A	215	122
100A	230	145
125A	290	165
150A	320	190
200A	385	217
250A	425	270
300A	505	297
350A	570	381
400A	780	480
500A	820	535

Cast Iron Hammerless Check Valve(KS)



Model	WHL-10	
Applicable Fluid	Water, General liquid	
Applicable Pressure	Max. 0.98 MPa / 1.6Mpa	
Applicable Temperature	5 °C ~ 90 °C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.1 MPa at Water Pressure	
Material	BODY	GC 200
	TRIM	CAC406/NBR
Size	L	H
40A	162	120
50A	183	135
65A	200	145
80A	210	150
100A	217	160
125A	255	190
150A	280	200
200A	416	235

- Use Dual Check Valves or Pan Check Valves for Horizontal Pipes
- Epoxy paint products for Drinking Water



Cast Iron Hammerless Check Valve



Model	WHL-10B	
Applicable Fluid	Water, General liquid	
Applicable Pressure	Max 0.98 MPa / 1.6Mpa	
Applicable Temperature	5 °C ~ 90 °C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.1 MPa at Water Pressure	
Material	BODY	GC 200
	TRIM	CAC406/NBR
Size	L	H
40A	160	120
50A	175	135
65A	195	145
80A	205	150
100A	210	160
125A	250	190
150A	275	200
200A	410	235
250A	430	260
300A	510	280

- Use Dual Check Valves or Pan Check Valves for Horizontal Pipes
- Epoxy paint products for Drinking Water



Wafer Type Rubber-Seated Butterfly Valve (10K)



WSBG-10

WSBL-10

Model	WSBL-10	WSBG-10
Applicable Fluid	water, Air, oil & Gas	
Applicable Pressure	Max. 0.98MPa	
Applicable Temperature	5°C ~ 110°C	
Operating Type	LEVER ACTING	GEAR ACTING
Hydraulic Testing	1.5 MPa at Water Pressure	
Seat Leak Test	1.1 MPa at Water Pressure	
Connecting Method	JIS 10K WAFER	
Material	BODY	GC200
	TRIM	EPDM/SSC13

Size	L	H	
		L/O	G/O
50A	43	196	266
65A	46	210	280
80A	46	216	286
100A	52	235	305
125A	56	248	318
150A	56	261	331
200A	60	-	378
250A	68	-	410
300A	78	-	462

■ This product is for pure water. There is no guarantee in quality for use with pollutants, corrosive fluid or sea water.

Wafer Type Rubber-Seated Butterfly Valve (16K/20K)



WSBG-16/20

WSBL-16/20

Model	WSBL-16/20	WSBG-16/20
Applicable Fluid	water, Air, oil & Gas	
Applicable Pressure	Max. 1.6MPa	
Applicable Temperature	5°C ~ 110°C	
Operating Type	LEVER ACTING	GEAR ACTING
Hydraulic Testing	3.00 MPa at Water Pressure	
Seat Leak Test	1.76 MPa at Water Pressure	
Connecting Method	JIS16K WAFER	
Material	BODY	GCD 450
	TRIM	EPDM/SSC13

Size	L	H	
		L/O	G/O
50A	43	196	266
65A	46	210	280
80A	46	216	286
100A	52	235	305
125A	56	248	318
150A	56	261	331
200A	60	-	378
250A	68	-	410
300A	78	-	462

■ This product is for pure water. There is no guarantee in quality for use with pollutants, corrosive fluid or sea water.

Wafer Type Rubber-Seated Butterfly Valve(10K)



WBG-10

WBL-10

Model	WBL-10	WSBG-10
Applicable Fluid	water, Air, oil & Gas	
Applicable Pressure	Max. 0.98MPa	
Applicable Temperature	5°C ~ 110°C	
Operating Type	LEVER ACTING	GEAR ACTING
Hydraulic Testing	1.5 MPa at Water Pressure	
Seat Leak Test	1.1 MPa at Water Pressure	
Connecting Method	JIS 10K WAFER	
Material	BODY	GC200
	TRIM	EPDM/SSC13

Size	L	H	
		L/O	G/O
50A	43	196	266
65A	46	210	280
80A	46	216	286
100A	52	235	305
125A	56	248	318
150A	56	261	331
200A	60	300	378
250A	68	-	410
300A	78	-	462

■ This product is for pure water. There is no guarantee in quality for use with pollutants, corrosive fluid or sea water.

Wafer Type Rubber-Seated Butterfly Valve



WBG-16

WBL-16

Model	WBL-16	WBG-16
Applicable Fluid	water, Air, oil & Gas	
Applicable Pressure	Max. 1.6MPa	
Applicable Temperature	5°C ~ 110°C	
Operating Type	LEVER ACTING	GEAR ACTING
Hydraulic Testing	3.00 MPa at Water Pressure	
Seat Leak Test	1.76 MPa at Water Pressure	
Connecting Method	JIS 10K WAFER	
Material	BODY	GC200
	TRIM	EPDM/SSC13

Size	L	H	
		L/O	G/O
50A	43	196	266
65A	46	210	280
80A	46	216	286
100A	52	235	305
125A	56	248	318
150A	56	261	331
200A	60	300	378
250A	68	-	410
300A	78	-	462

■ This product is for pure water. There is no guarantee in quality for use with pollutants, corrosive fluid or sea water.

Cast steel Metal Seated Butterfly Valve



Model	WMBL-1	
Applicable Fluid	Steam	
Applicable Pressure	Max. 2.5 MPa	
Applicable Temperature	Max. 300 °C	
Operating Type	GEAR ACTING	
Hydraulic Testing	3.8 MPa at Water Pressure	
Seat Leak Test	2.8 MPa at Water Pressure	
Connecting Method	JIS 20K Flanged	
Material	BODY	SCPH2
	TRIM	SSC 13

Size	L	H
50A	43	400
65A	45	418
80A	50	445
100A	55	480
125A	65	518
150A	70	560
200A	70	625
250A	75	865
300A	85	1020
350A	90	1120
400A	100	1210
450A	115	1350
500A	125	1400
600A	155	1650

■ Please contact us for other size specifications.

Flange Type Butterfly Valve



Model	WFG-10	
Applicable Fluid	water, Air, oil & Gas	
Applicable Pressure	Max. 1.6MPa	
Applicable Temperature	Max. 5°C ~ 110°C	
Operating Type	LEVER ACTING	GEAR ACTING
Hydraulic Testing	2.1MPa at Water Pressure	
Seat Leak Test	1.6MPa at Water Pressure	
Connecting Method	JIS 10K Flanged	
Material	BODY	GC200
	TRIM	EPDM/SSC13

Size	L	H
50A	111	310
65A	115	330
80A	117	352
100A	130	378
125A	143	402
150A	143	440
200A	155	570
250A	168	628
300A	182	695
350A	190	783
400A	216	888
450A	222	958
500A	229	1005
600A	267	1128
700A	292	1476
800A	318	1533

■ Size and specifications of this product are subject to change without notice to improve performance. ■

Cast Iron 1MPa Y Type Steam Strainer



WST-2



WST-3

Model	WST-2	WST-3
Applicable Fluid	Steam	
Applicable Pressure	Max. 1.6Mpa	
Applicable Temperature	Max. 220°C	
Connecting Method	JIS 10K Flanged	JIS PT Screwed
Hydraulic Testing	2.0 MPa at Water Pressure	
Material	BODY	GC200
	TRIM	STS 304

Size	WST-2		WST-3	
	L	H	L	H
15A	—	—	80	54
20A	—	—	95	70
25A	—	—	110	80
32A	—	—	135	97
40A	—	—	160	120
50A	—	—	185	145
65A	285	65	—	—
80A	305	165	—	—
100A	360	200	—	—
125A	410	215	—	—
150A	480	260	—	—
200A	590	330	—	—

■ Epoxy paint products for Drinking Water

Cast Iron trainer



Model	WST-1	
Applicable Fluid	Water	
Applicable Pressure	Max. 1.6Mpa	
Applicable Temperature	Max. 80°C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.0MPa at Water Pressure	
Material	BODY	GC200
	TRIM	STS 304

Size	L	H
	40A	170
50A	170	100
65A	200	115
80A	220	145
100A	285	195
125A	290	205
150A	330	260
200A	480	385
250A	590	500
300A	675	610

■ Epoxy paint products for Drinking Water
 ■ Made to order for sizes over 350A

Ductile Ball Valve



Model	WIB-10F	
Applicable Fluid	water, Air, oil & Gas	
Applicable Pressure	Max. 0.98MPa / 1.6Mpa	
Applicable Temperature	5°C ~ 80°C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	GCD 450
	TRIM	TEFLON / SSC13

Size	L	H
	40A	135
50A	145	134
65A	160	139
80A	180	160
100A	212	168
125A	265	226
150A	275	226
200A	335	281

Cast Iron Foot Valve



Model	WFT-10	
Applicable Fluid	Water	
Applicable Pressure	Max. 1.6Mpa	
Applicable Temperature	5°C ~ 80°C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	GC200
	TRIM	NBR

Size	D	H
	50A	155
65A	175	180
80A	185	200
100A	210	240
125A	250	275
150A	280	300
200A	330	370
250A	400	470
300A	445	500

Cast Iron Water Hammer Cushion (Gas Type)



Model	WHC-10G	
Applicable Fluid	Water, General liquid	
Applicable Pressure	Max. 0.98MPa	
Applicable Temperature	5°C ~ 60°C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	1.5 MPa at Water Pressure	
Material	BODY	GC200
	TRIM	NBR

Size	H
	40A
50A	184
65A	184
80A	219
100A	225
125A	239
150A	239

■ Insulate product to prevent freezing for use in basements or exterior walls.

Water Hammer Cushion (Spring Type)



Model	WHCS-10/WHCS-20	
Applicable Fluid	Water, General liquid	
Applicable Pressure	Max. 0.98MPa / Max. 1.96MPa	
Applicable Temperature	Max. 80°C	
Connecting Method	JIS 10K Flanged/JIS 20K Flanged	
Hydraulic Testing	(1.5 MPa/3.0 MPa) at Water Pressure	
Material	BODY	SPPS / STEEL
	SPRING	STS 304
	TRIM	STS 304

Size	H
	25A
32A	202
40A	198
50A	210
65A	204
80A	207
100A	207
125A	225
150A	260
200A	310
250A	360
300A	500

■ Made to order for sizes over 350A

Dual check Valve



Model	WHGS-40			
Applicable Fluid	Water, General liquid			
Applicable Pressure	Max. 0.98MPa / Max. 1.57MPa			
Applicable Temperature	Max. 90°C			
Connecting Method	WAFER			
Hydraulic Testing	(1.5 MPa/2.35 MPa) at Water Pressure			
Material	BODY	GC200/GCD450		
	TRIM	STS304 WPB / NBR		
Size	10K		16K	
	L	D	L	D
40A	43	85	43	85
50A	43	101	43	101
65A	46	121	46	121
80A	64	131	64	137
100A	64	156	64	162
125A	70	187	70	188
150A	76	217	76	218
200A	90	267	90	273
250A	114	328	114	328
300A	114	375	114	378

- Made to order for sizes over 350A
- 40A-65A are joint use 10K, 16K.

Cast steel Gate Valve



Model	WBGN-20 / WBGN-10			
Applicable Fluid	Water, Steam, Oil			
Applicable Pressure	Max. 1.96MPa / Max. 0.98MPa			
Applicable Temperature	Max. 220 °C / Max. 120 °C			
Connecting Method	JIS 20K Flanged / JIS 10K Flanged			
Hydraulic Testing	(5.3 MPa/2.1MPa) at Water Pressure			
Material	BODY	SCPH2		
	TRIM	SSC 1		
Size	WBGN-20		WBGN-10	
	L	H	L	H
50A	216	343	178	320
65A	241	400	190	344
80A	283	470	203	392
100A	305	559	229	424
125A	381	668	254	532
150A	403	762	267	600
200A	419	953	292	770
250A	457	1232	330	930
300A	502	1435	356	1070

- Epoxy paint products for Drinking Water
- Made to order for sizes max. 350A

Cast steel Globe Valve



Model	WBLN-20 / WBLN-10			
Applicable Fluid	Water, Steam, Oil			
Applicable Pressure	Max. 1.96MPa / Max. 0.98MPa			
Applicable Temperature	Max. 220 °C / Max. 120 °C			
Connecting Method	JIS 20K Flanged / JIS 10K Flanged			
Hydraulic Testing	(5.3 MPa / 2.1 MPa) at Water Pressure			
Material	BODY	SCPH2		
	TRIM	SSC 1		
Size	WBLN-20		WBLN-10	
	L	H	L	H
40A	229	270	-	-
50A	267	270	203	298
65A	292	300	216	330
80A	318	300	241	342
100A	356	390	292	390
125A	400	465	356	480
150A	444	515	406	505
200A	559	575	495	553

- Epoxy paint products for Drinking Water
- Made to order for sizes max.350A

Cast steel Swing Check Valve



Model	WBPC-20 / WBPC-10			
Applicable Fluid	Water, Steam, Oil			
Applicable Pressure	Max. 1.96MPa / Max. 0.98MPa			
Applicable Temperature	Max. 220 °C / Max. 120 °C			
Connecting Method	JIS 20K Flanged / JIS 10K Flanged			
Hydraulic Testing	(5.3 MPa / 2.1 MPa) at Water Pressure			
Material	BODY	SCPH2		
	TRIM	SSC 1		
Size	WBPC-20		WBPC-10	
	L	H	L	H
50A	267	155	203	140
65A	292	175	216	140
80A	318	180	241	157
100A	356	200	292	187
125A	400	216	330	207
150A	444	265	356	296
200A	533	300	495	364
250A	622	345	622	405
300A	711	390	698	450

- Epoxy paint products for Drinking Water
- Made to order for sizes max.350A

Ductile Strainer



WBST-2S

Model	WBST-2S	
Applicable Fluid	Water, Steam, General liquid	
Applicable Pressure	Max. 1.96MPa	
Applicable Temperature	Max. 220 °C	
Connecting Method	JIS 20K Flanged	
Hydraulic Testing	3.0 MPa at Water Pressure	
Material	BODY	GCD450
	TRIM	STS 304
Size	WBST-2S	
	L	H
50A	220	146
65A	250	163
80A	280	189
100A	310	212
125A	350	238
150A	380	275
200A	500	332
250A	550	366
300A	670	457

- Made to order for sizes over 350A
- Epoxy paint products for Drinking Water

Ductile Hammerless Check Valve



WBHS-20G

Model	WBHS-20G	
Applicable Fluid	Water	
Applicable Pressure	Max. 1.96MPa	
Applicable Temperature	5 °C ~ 90 °C	
Connecting Method	JIS 20K Flanged	
Hydraulic Testing	3.0 MPa at Water Pressure	
Material	BODY	GCD450
	TRIM	SSC13/NBR
Size	L	H
40A	150	126
50A	162	134
65A	185	140
80A	203	148
100A	212	156
125A	245	164
150A	290	180
200A	340	198

- Use Dual Check Valves or Pan Check Valves for Horizontal Pipes.
- Epoxy paint products for Drinking Water

Cast steel Ball Valve



WBB-1FL



WBB-1FG

Model		WBB-1FG / WBB-1FL	
Type		Gear / Lever	
Applicable Fluid		Gas	
Applicable Pressure		Max. 0.98MPa / 1.6Mpa	
Applicable Temperature		Max. 150°C	
Connecting Method		JIS 10K Flanged	
Hydraulic Testing		2.94 MPa at Water Pressure	
Material	BODY	SCPH2	
	TRIM	TEFLON / STS304	

Size	L		H		
	40A	165	115		
50A	178	120			
65A	190	153			
80A	203	162			
100A	229	191			
125A	356	211			
150A	394	290			
WBB-1FG	200A	457	340		
	250A	533	500		
	300A	610	520		

Stainless Butterfly Valve



WSBG-1



WBSL-1

Model	WSBL-1	WSBG-1
	water, Air, oil & Gas	
Applicable Pressure	Max. 1.6Mpa	
Applicable Temperature	5°C ~ 150°C	
Operating Type	LEVER ACTING	GEAR ACTING
Hydraulic Testing	2.5MPa at Water Pressure	
Seat Leak Test	1.6MPa at Water Pressure	
Connecting Method	JIS 10K WAFER	
Material	BODY	SSC13
	TRIM	PTFE / SSC13

Size	WSBL-1		WSBG-1	
	L	H	L	H
40A	43	168	43	185
50A	43	168	43	185
65A	46	172	46	200
80A	46	177	46	230
100A	52	188	52	262
125A	56	213	56	296
150A	56	222	56	336
200A	60	255	60	362
250A	-	-	68	432
300A	-	-	78	532

■ This product is for pure water. There is no guarantee in quality for use with pollutants, corrosive fluid or sea water.
 ■ The gear box material is GC200

Stainless Ball Valve Flanged type



WSB-1FL



WSB-1FG

Model	WSB-1FL	WSB-1FG
	Lever	Gear
Applicable Fluid	a chemical agent, Industrial water, Drinking water	
Applicable Pressure	Max. 0.98MPa / 1.6Mpa	
Applicable Temperature	Max. 180 °C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.94 MPa at Water Pressure	
Material	BODY	SSC 13
	TRIM	TEFLON/STS 304

WSB-1FL		
Size	L	H
15A	108	82
20A	117	85
25A	127	95
32A	140	100
40A	165	115
50A	178	120
65A	190	153
80A	203	162
100A	229	191
125A	356	211
150A	395	290

WSB-1FG		
Size	L	H
200A	457	340
250A	533	500
300A	610	520

Stainless Ball Valve (Screwed type)



Model	WSB-20S	
Applicable Fluid	Industrial water, Drinking water	
Applicable Pressure	Max. 1.96MPa	
Applicable Temperature	5°C ~ 180°C	
Connecting Method	JIS PT Screwed	
Hydraulic Testing	2.94 MPa at Water Pressure	
Material	BODY	SSC13
	TRIM	STS 304/TEFLON

Size	WSB-20S	
	L	H
15A	48.5	46
20A	57	49
25A	68	57
32A	79	66
40A	88.5	74
50A	100.5	80

Stainless Gate Valve



Model	WSGN-1	
Applicable Fluid	Water, Steam, Oil	
Applicable Pressure	Max. 0.98MPa/1.6Mpa	
Applicable Temperature	Max. 180 °C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	SSC13
	TRIM	SSC13 / STS304

Size	L	H
15A	80	100
20A	90	125
25A	100	142
32A	110	149
40A	125	164
50A	140	183
65A	170	247
80A	193	270
100A	210	337

Stainless Gate Valve



Model	WSGO-1	
Applicable Fluid	Water, Steam, Oil	
Applicable Pressure	Max. 0.98MPa/1.6Mpa	
Applicable Temperature	Max. 180 °C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	SSC13
	TRIM	SSC13 / STS304

Size	L	H
50A	178	359
65A	190	410
80A	203	421
100A	229	546
125A	254	670
150A	267	772
200A	292	998
250A	342	1185
300A	356	1366

■ Made to order for sizes max. 350A
 ■ Made to order for operating pressure 20K products

Stainless Gate Valve



Model	WSGS-1	
Applicable Fluid	Water, Steam, Oil	
Applicable Pressure	Max. 0.98MPa / 1.6Mpa	
Applicable Temperature	Max. 180 °C	
Connecting Method	JIS PT Screwed	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	SSC13
	TRIM	SSC13 / STS304
Size	L	H
15A	56	95
20A	61	100
25A	65	115
32A	71	135
40A	79	155
50A	90	180

Stainless Globe Valve



Model	WSLN-1	
Applicable Fluid	Water, Steam, Oil	
Applicable Pressure	Max. 0.98MPa / 1.6Mpa	
Applicable Temperature	Max. 180 °C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	SSC13
	TRIM	SSC13 / STS304
Size	L	H
50A	194	185
65A	216	220
80A	241	243
100A	292	308

Stainless Globe Valve



Model	WSLO-1	
Applicable Fluid	Water, Steam, Oil	
Applicable Pressure	Max. 0.98MPa / 1.6Mpa	
Applicable Temperature	Max. 180 °C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	SSC13
	TRIM	SSC13 / STS304
Size	L	H
50A	203	296
65A	216	321
80A	241	367
100A	292	427
125A	356	498
150A	406	592
200A	495	665
250A	622	771
300A	698	901

- Made to order for sizes max. 350A
- Made to order for operating pressure 20K products

Stainless Globe Valve



Model	WSLS-1	
Applicable Fluid	Water, Steam, Oil	
Applicable Pressure	Max. 0.98MPa / 1.6Mpa	
Applicable Temperature	Max. 180 °C	
Connecting Method	JIS PT Screwed	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	SSC13
	TRIM	SSC13 / STS304
Size	L	H
15A	68	95
20A	79	99
25A	89	99
32A	103	125
40A	118	130
50A	138	153

Stainless Swing check Valve



Model	WSCP-1S	
Applicable Fluid	Water, Steam, Oil	
Applicable Pressure	Max. 0.98MPa / 1.6Mpa	
Applicable Temperature	Max. 180 °C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	SSC13
	TRIM	SSC13 / STS304
Size	L	H
15A	108	54
20A	117	59
25A	127	65
32A	140	75
40A	165	83
50A	203	96
65A	216	110
80A	241	125
100A	292	145

Stainless Swing check Valve



Model	WSCP-1L			
Applicable Fluid	Water, Steam, Oil			
Applicable Pressure	Max. 0.98MPa / 1.6Mpa			
Applicable Temperature	Max. 180 °C			
Connecting Method	JIS 10K Flanged			
Hydraulic Testing	2.5 MPa at Water Pressure			
Material	BODY		SSC13	
	TRIM		SSC13 / STS304	
Size	A Type		B Type	
	L	H	L	H
65A	285	162	255	142
80A	305	204	280	170
100A	380	243	315	203
125A	394	295	345	213
150A	444	343	380	218
200A	540	415	484	247
250A	670	512	560	300
300A	765	585	720	350

- Made to order for sizes max. 350A
- Made to order for operating pressure 20K products

Stainless Swing check Valve – Screwed Type



Model	WSCS-1	
Applicable Fluid	Water, Steam, Oil	
Applicable Pressure	Max. 0.98 MPa/1.6Mpa	
Applicable Temperature	Max. 180 °C	
Connecting Method	JIS PT Screwed	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	SSC13
	TRIM	STS 304
Size	L	H
15A	62	69
20A	73	75
25A	83	85
32A	99	104
40A	115	118
50A	134	137

Stainless Hammerless check Valve



Model	WSHL-1	
Applicable Fluid	Water, General liquid	
Applicable Pressure	Max. 0.98 MPa/1.6Mpa	
Applicable Temperature	Max. 120 °C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	SSC13
	TRIM	STS304 / TEFLON
Size	L	H
40A	160	120
50A	180	135
65A	200	145
80A	210	150
100A	217	160
125A	255	190
150A	280	200
200A	415	235

- Use Dual Check Valves or Pan Check Valves for Horizontal Pipes.
- Made to order for sizes max. 250A
- Made to order for operating pressure 20K products

Stainless Pan check Valve



WPSC-10



WPSC-10S

Model	WPSC-10 / WPSC-10S			
Applicable Fluid	Water, General liquid			
Applicable Pressure	Max. 0.98 MPa/1.6Mpa			
Applicable Temperature	Max. 180 °C			
Connecting Method	JIS 10K WAFER / JISPT Screwed			
Hydraulic Testing	2.5 MPa at Water Pressure			
Material	BODY	SSC13		
	TRIM	STS 304		
Size	A Type		B Type	
	L	D	L	D
15A	16	40	16	40
20A	19	50	19	50
25A	22	60	28	68
32A	29	72	30	79
40A	32	86	36	86
50A	40	101	40	101
65A	46	117	49	121
80A	50	132	57	131
100A	60	150	68	156
125A	90	164	78	185
150A	105	196	94	207
200A	140	270	110	265

Stainless Foot Valve



Model	WSFT-1	
Applicable Fluid	Water, General liquid	
Applicable Pressure	Max. 0.98 MPa/1.6Mpa	
Applicable Temperature	Max. 120 °C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	SSC13
	TRIM	SSC13
Size	D	H
40A	140	170
50A	155	190
65A	175	223
80A	185	260
100A	210	276
125A	250	333
150A	280	363
200A	330	420
250A	400	502
300A	445	450

- You must install vertically
- Made to order for sizes max. 350A
- Made to order for operating pressure 20K products

Stainless Strainer



Model	WHL-10	
Applicable Fluid	Steam, Water, General liquid	
Applicable Pressure	Max. 0.98 MPa/1.6Mpa	
Applicable Temperature	Max. 180 °C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	SSC13
	TRIM	STS 304
Size	L	H
15A	120	60
20A	125	60
25A	155	75
32A	170	75
40A	180	91
50A	190	125
65A	215	133
80A	305	198
100A	365	240

Stainless Strainer



Model	WSCP-1L			
Applicable Fluid	Water, Steam, Oil			
Applicable Pressure	Max. 0.98 MPa/1.6Mpa			
Applicable Temperature	Max. 180 °C			
Connecting Method	JIS 10K Flanged			
Hydraulic Testing	2.5 MPa at Water Pressure			
Material	BODY	SSC13		
	TRIM	SSC13 / STS304		
Size	A Type		B Type	
	L	H	L	H
65A	285	162	255	142
80A	305	204	280	170
100A	380	243	315	203
125A	394	295	345	213
150A	444	343	380	218
200A	540	415	484	247
250A	670	512	560	300
300A	765	585	720	350

- Made to order for sizes max. 350A
- Made to order for operating pressure 20K products

Stainless Strainer Screwed TYPE



Model	WSSS-10	
Applicable Fluid	Steam, Water, General liquid	
Applicable Pressure	Max. 0.98 MPa / 1.6 MPa	
Applicable Temperature	Max. 180 °C	
Connecting Method	JIS PT Screwed	
Hydraulic Testing	2.1 MPa at Water Pressure	
Material	BODY	SSC13
	TRIM	STS 304
Size	L	H
15A	60	61
20A	95	68
25A	83	60
32A	104	70
40A	108	82
50A	126	88

Stainless Ball Valve – 1PCS, 3PCS



WSB-1SP



WSB-3SP

Model	WSB-1SP	WSB-3SP
Applicable Fluid	Water, General liquid	
Applicable Pressure	Max. 0.98 MPa / 1.6 MPa	
Applicable Temperature	Max. 150 °C	
Connecting Method	JIS PT Screwed	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	SSC 13
	BALL	STS304
	SEAT	PTFE

Size	WSB-1SP (One-Piece)		WSB-3SP (3-Piece)			
	Screwed		Screwed		Butt Weld	
	L	H	L	H	L	H
15A	56	67	65	106	72	104
20A	59	73	80	120	83	119
25A	70	85	85	128	95	129
32A	76	100	109	154	111	155
40A	82	112	118	165	120	166
50A	95	127	132	188	145	187

Stainless 3-Way Ball Valve (T type)



Model	WSB-3FL	
Applicable Fluid	Water, Steam, Oil	
Applicable Pressure	Max. 0.98 MPa / 1.6 MPa	
Applicable Temperature	Max. 150 °C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.1 MPa at Water Pressure	
Material	BODY	SSC 13
	TRIM	TEFLON/SSC 13
Size	L	H
25A	180	70
32A	200	75
40A	220	90
50A	235	104
65A	260	153
80A	280	187
100A	320	206
125A	380	252
150A	440	244
200A	550	283
250A	670	345
300A	720	420

Stainless 4-Way Ball Valve



Model	WSB-4FL	
Applicable Fluid	Water, Steam, Oil	
Applicable Pressure	Max. 0.98 MPa / 1.6 MPa	
Applicable Temperature	Max. 150 °C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.5 MPa at Water Pressure	
Material	BODY	SSC 13
	TRIM	TEFLON/SSC 13
Size	L	H
15A	150	55
20A	160	55
25A	180	70
32A	200	75
40A	220	90
50A	240	104
65A	260	153
80A	280	187
100A	320	206
125A	380	252
150A	440	244
200A	550	283
250A	670	345
300A	720	420

■ Please contact us for other specifications.

Stainless Water hammer cushion (Spring Type)



Model	WHCS-10/WHCS-20		
Applicable Fluid	Water, General liquid		
Applicable Pressure	Max. 0.98 MPa / Max. 1.96 MPa		
Applicable Temperature	Max. 80 °C		
Connecting Method	JIS 10K Flanged / JIS 20K Flanged		
Hydraulic Testing	(1.5 MPa / 3.0 MPa) at Water Pressure		
Material	BODY	STS304 / STS316	
	SPRING	STS 304	
	TRIM	STS 304	
Size	H	D	C
50A	132	155	120
65A	145	175	140
80A	170	185	150
100A	208	210	175
125A	230	250	210
150A	259	280	240
200A	302	330	290
250A	360	400	355
300A	500	445	400

■ Please contact us for other specifications.

Flange Adapter



Model	WGFA-10	WGFA-20
Applicable Fluid	Water, Steam, Oil, Gas	
Applicable Pressure	Max. 0.98 MPa	Max. 1.96 MPa
Connecting Method	Flange-Grooved End	
Hydraulic Testing	(1.5 MPa / 3.0 MPa) at Water Pressure	
Material	Pipe	SPP / STS304
	Flange	SF390A / SSC13

Size	O.D	H
50A	60.5	80
65A	76.3	85
80A	89.1	85
100A	114.3	90
125A	139.8	95
150A	165.2	100
200A	216.3	115
250A	267.4	120
300A	318.5	120

Forged Steel Gate Valve– Screwed, Socket Weld, Flanged



Model	Type	End Connection
WFG800R	Screwed End	Reduced Port
WFG801R	Socket Weld End	Reduced Port
WFG815R	Flanged	Reduced Port
WFG830R	Flanged	Reduced Port
WFG860R	Flanged	Reduced Port
Workin Condition	10K	1.0 MPa at 280°C / 5.18 MPa at -7°C ~ -38°C
	20K	2.1 MPa at 450°C / 5.18 MPa at -7°C ~ -38°C
	30K-40K	4.2 MPa at 450°C / 10.3 MPa at -7°C ~ -38°C
Hydraulic Testing	10K	Body 8.3 MPa Seat 6.1 MPa
	20K	
	30K-40K	
Leak Testing	10K	Seat 0.56MPa
	20K	
	30K-40K	
Body & Bonnet	Carbon Steel - ASTM A105	
Trim	13 Cr.	
	13 Cr.	
	304 S.S	
	316 S.S	

Screwed / Socket Weld							
Port	Size	φD	L	H	φd	Weight (Kg)	Cv
Reduced	15A	100	76	143	9.5	1.5	6.0
	20A	100	86	153	12.7	2.0	11.3
	25A	125	102	186	18.0	2.8	26.3
	32A	125	117	238	31.0	5.2	78.0
	40A	155	117	238	31.0	5.1	78.0
	50A	175	133	267	37.0	8.2	115.0

Flanged									
Size	φD	L			H (Full opened)	Weight (Kg)			Cv
		150 (10K)	300 (20K)	600		150 (10K)	300 (20K)	600	
15A	100	108	108	165	152	2.5	3.0	3.3	6.0
20A	100	117	117	190	155	3.1	4.0	4.6	11.3
25A	122	127	127	216	187	4.7	6.0	6.6	26.3
32A	140	140	140	229	199	8.7	11.0	12.2	78.0
40A	140	165	165	241	238	8.7	11.0	12.2	78.0
50A	165	178	178	292	275	12.2	14.0	15.8	115.0

Forged Steel Globe Valve– Screwed, Socket Weld, Flanged



Model	Type	End Connection
WFL800R	Screwed End	Reduced Port
WFL801R	Socket Weld End	Reduced Port
WFL815R	Flanged	Reduced Port
WFL830R	Flanged	Reduced Port
WFL860R	Flanged	Reduced Port
Workin Condition	10K	1.0 MPa at 280°C / 5.18 MPa at -7°C ~ -38°C
	20K	2.1 MPa at 450°C / 5.18 MPa at -7°C ~ -38°C
	30-40K	4.2 MPa at 450°C / 10.3 MPa at -7°C ~ -38°C
Hydraulic Testing	10K	Body 8.3 MPa Seat 6.1 MPa
	20K	
	30-40K	
Leak Testing	10K	Seat - 0.56MPa
	20K	
	30-40K	
Body & Bonnet	Carbon steel - ASTM A105	
Trim	13 Cr.	
	13 Cr.	
	304 S.S	
	316 S.S	

Screwed / Socket Weld							
Port	Size	φD	L	H (Opened)	φd	Weight (Kg)	Cv
Reduced	15A	100	76	149	9.5	1.8	2.0
	20A	100	86	157	12.7	2.1	3.0
	25A	125	102	181	17.5	2.9	5.5
	32A	125	152	232	22.5	6.4	17.0
	40A	155	152	232	29.5	6.4	17.0
	50A	175	172	276	35.0	9.7	21.0

Flanged									
Size	φD	L			H (Opened)	Weight (Kg)			Cv
		150 (10K)	300 (20K)	600		150 (10K)	300 (20K)	600	
15A	102	108	108	165	158	2.5	3.0	3.3	6.0
20A	102	117	117	190	162	3.1	4.0	4.6	11.3
25A	114	127	127	216	201	4.7	6.0	6.6	26.3
32A	140	140	140	229	215	8.7	11.0	12.2	78.0
40A	140	165	165	241	241	8.7	11.0	12.2	78.0
50A	165	203	203	292	290	12.2	14.0	15.8	115.0

Forged Steel Check Valve (Swing, Lift) –Screwed,Socket Weld,Flanged



Model	Type	End Connection
WLC800R	Screwed End	Reduced Port
WLC801R	Socket Weld End	Reduced Port
WSC800R	Screwed End	Reduced Port
WSC801R	Socket Weld End	Reduced Port
WLC815R	Flanged	Reduced Port
WLC830R	Flanged	Reduced Port
WLC860R	Flanged	Reduced Port
WSC815R	Flanged	Reduced Port
WSC830R	Flanged	Reduced Port
WSC860R	Flanged	Reduced Port
Workin Condition	5.6MPa at 454°C / 14 MPa at -7°C ~ -38°C	
Hydraulic Testing	Body 8.3 MPa	
	Seat 6.1 MPa	
Leak Testing	Seat 0.56MPa	
Body & Bonnet	Carbon steel - ASTM A105	
Trim	13 Cr.	
	13 Cr.	
	304 S.S	
	316 S.S	

Screwed / Socket Weld (Lift Check)							Screwed / Socket Weld (Swing Check)						
Port	Size	φD	L	H (Opened)	Weight (Kg)	Cv	Size	φD	L	H (Opened)	Weight (Kg)	Cv	
													Reduced
20A	86	54	12.7	1.3	2.7	20A	86	54	12.7	1.1	11.3		
25A	102	63	17.5	2.3	5.4	25A	102	63	18.0	2.0	26.3		
32A	152	81	22.5	5.0	16.0	32A	117	86	31.0	4.4	78.0		
40A	152	81	29.5	5.0	16.0	40A	117	86	31.0	4.4	78.0		
50A	172	102	35.0	7.0	20.0	50A	133	102	37.0	6.2	115.0		

Flanged									
Size	φD	L			H (Opened)	Weight (Kg)			Cv
		150 (10K)	300 (20K)	600		150 (10K)	300 (20K)	600	
15A	108	108	108	165	2.5	3.0	3.3	6.0	
20A	117	117	117	190	3.1	4.0	4.6	11.3	
25A	127	127	127	216	4.7	6.0	6.6	26.3	
32A	140	140	140	229	8.7	11.0	12.2	78.0	
40A	165	165	165	241	8.7	11.0	12.2	78.0	
50A	178	178	178	292	12.2	14.0	15.8	115.0	

* Size and specifications of this product are subject to change without notice to improve performance. *

Stainless Forged Steel Gate Valve – Screwed,Socket Weld,Flanged



Model	Type	End Connection
WFL800R	Screwed End	Reduced Port
WFL801R	Socket Weld End	Reduced Port
WFL815R	Flanged	Reduced Port
WFL830R	Flanged	Reduced Port
WFL860R	Flanged	Reduced Port

Workin Condition	10K	1,0 MPa at 280°C / 5,18 MPa at -7°C ~ 38°C	
	20K	2,1 MPa at 450°C / 5,18 MPa at -7°C ~ 38°C	
	30~40K	4,2 MPa at 450°C / 10,3 MPa at -7°C ~ 38°C	
Hydraulic Testing	10K	Body	8.3 MPa
	20K 30~40K	Seat	6.1 MPa
Leak Testing	10K	Seat 0.56MPa	
	20K 30~40K		
Body & Bonnet	Stainless steel ASTM A182		
Trim	13 Cr.		
	13 Cr.		
	304 S.S		
	316 S.S		

Screwed / Socket Weld							
Port	Size	φD	L	H	φd	Weight (Kg)	Cv
Reduced	15A	100	76	143	9.5	1.5	6.0
	20A	100	86	153	12.7	2.0	11.3
	25A	125	102	186	18.0	2.8	26.3
	32A	125	117	238	31.0	5.2	78.0
	40A	155	117	238	31.0	5.1	78.0
	50A	175	133	267	37.0	8.2	115.0

Flanged									
Size	φD	L			H (Full opened)	Weight (Kg)			Cv
		150 (10K)	300 (20K)	600		150 (10K)	300 (20K)	600	
15A	100	108	108	165	152	2.5	3.0	3.3	6.0
20A	100	117	117	190	155	3.1	4.0	4.6	11.3
25A	122	127	127	216	187	4.7	6.0	6.6	26.3
32A	140	140	140	229	199	8.7	11.0	12.2	78.0
40A	140	165	165	241	238	8.7	11.0	12.2	78.0
50A	165	178	178	292	275	12.2	14.0	15.8	115.0

Stainless Forged Steel Globe Valve – Screwed,Socket Weld,Flanged



Model	Type	End Connection
WFL800R	Screwed End	Reduced Port
WFL801R	Socket Weld End	Reduced Port
WFL815R	Flanged	Reduced Port
WFL830R	Flanged	Reduced Port
WFL860R	Flanged	Reduced Port

Workin Condition	10K	1,0 MPa at 280°C / 5,18 MPa at -7°C ~ 38°C	
	20K	2,1 MPa at 450°C / 5,18 MPa at -7°C ~ 38°C	
	30~40K	4,2 MPa at 450°C / 10,3 MPa at -7°C ~ 38°C	
Hydraulic Testing	10K	Body	8.3 MPa
	20K 30~40K	Seat	6.1 MPa
Leak Testing	10K	Seat 0.56MPa	
	20K 30~40K		
Body & Bonnet	Stainless steel ASTM A182		
Trim	13 Cr.		
	13 Cr.		
	304 S.S		
	316 S.S		

Screwed / Socket Weld							
Port	Size	φD	L	H (Opened)	φd	Weight (Kg)	Cv
Reduced	15A	100	76	149	9.5	1.8	2.0
	20A	100	86	157	12.7	2.1	3.0
	25A	125	102	181	17.5	2.9	5.5
	32A	125	152	232	22.5	6.4	17.0
	40A	155	152	232	29.5	6.4	17.0
	50A	175	172	276	35.0	9.7	21.0

Flanged									
Size	φD	L			H (Opened)	Weight (Kg)			Cv
		150 (10K)	300 (20K)	600		150 (10K)	300 (20K)	600	
15A	102	108	108	165	158	2.5	3.0	3.3	6.0
20A	102	117	117	190	162	3.1	4.0	4.6	11.3
25A	114	127	127	216	201	4.7	6.0	6.6	26.3
32A	140	140	140	229	215	8.7	11.0	12.2	78.0
40A	140	165	165	241	241	8.7	11.0	12.2	78.0
50A	165	203	203	292	290	12.2	14.0	15.8	115.0

Stainless Forged Steel Check Valve (Swing,Lift) – Screwed,Socket Weld,Flanged



Model	Type	End Connection
WLC800R	Screwed End	Reduced Port
WLC801R	Socket Weld End	Reduced Port
WSC800R	Screwed End	Reduced Port
WSC801R	Socket Weld End	Reduced Port
WLC815R	Flanged	Reduced Port
WLC830R	Flanged	Reduced Port
WLC860R	Flanged	Reduced Port
WSC815R	Flanged	Reduced Port
WSC830R	Flanged	Reduced Port
WSC860R	Flanged	Reduced Port

Workin Condition	5,6 MPa at 454°C / 14 MPa at -7°C ~ 38°C		
Hydraulic Testing	Body	8.3 MPa	
	Seat	6.1 MPa	
Leak Testing	Seat 0.56MPa		
Body & Bonnet	Stainless steel ASTM A182		
Trim	13 Cr.		
	13 Cr.		
	304 S.S		
	316 S.S		

Screwed / Socket Weld (Lift Check)							Screwed / Socket Weld (Swing Check)						
Port	Size	φD	L	H (Opened)	Weight (Kg)	Cv	Size	φD	L	H (Opened)	Weight (Kg)	Cv	
													Reduced
20A	86	54	12.7	1.3	2.7	20A	86	54	12.7	1.1	11.3		
25A	102	63	17.5	2.3	5.4	25A	102	63	18.0	2.0	26.3		
32A	152	81	22.5	5.0	16.0	32A	117	86	31.0	4.4	78.0		
40A	152	81	29.5	5.0	16.0	40A	117	86	31.0	4.4	78.0		
50A	172	102	35.0	7.0	20.0	50A	133	102	37.0	6.2	115.0		

Flanged									
Size	φD	L			H	Weight (Kg)			Cv
		150 (10K)	300 (20K)	600		150 (10K)	300 (20K)	600	
15A	108	108	165	2.5	3.0	3.3	6.0		
20A	117	117	190	3.1	4.0	4.6	11.3		
25A	127	127	216	4.7	6.0	6.6	26.3		
32A	140	140	229	8.7	11.0	12.2	78.0		
40A	165	165	241	8.7	11.0	12.2	78.0		
50A	178	178	292	12.2	14.0	15.8	115.0		

Brass Ball Valve(Screwed type)



Model	WCB-10S	
Applicable Fluid	Water, General liquid	
Applicable Pressure	Max. 1.6Mpa	
Applicable Temperature	Max. 80℃	
Connecting Method	JIS PT Screwed	
Hydraulic Testing	2.94 MPa at Water Pressure	
Material	BODY	C3771
	TRIM	C3771/TEFLON
Size	L	H
8A	40	34
10A	44.5	34
15A	49	41
20A	54.5	44
25A	64	56
32A	79	59
40A	88.5	70
50A	101	76
65A	122.5	93
80A	141.5	100
100A	171.5	114

■ Made in type Reduced Port

Long Stem Ball Valve (Screwed type)



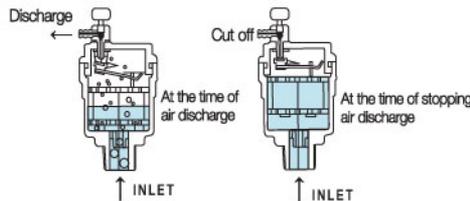
Model	WCB-10L	
Applicable Fluid	Drinking water	
Applicable Pressure	Max. 1.6Mpa	
Applicable Temperature	Max. 80℃	
Connecting Method	JIS PT Screwed	
Hydraulic Testing	2.94 MPa at Water Pressure	
Material	BODY	C3771
	TRIM	C3771 / TEFLON
Size	L	H
15A	50	60
20A	60	75
25A	75	84
32A	90	93
40A	100	98
50A	115	113

■ Made in type Full Port

Auto Air Vent Valve for Water



Model	WAV - 10	
Applicable Fluid	a chemical agent, Industrial water	
Applicable Pressure	Max. 0.98 MPa	
Applicable Temperature	Max. 60℃	
Connecting Method	JIS PT Screwed	
Hydraulic Testing	1.75 MPa at Water Pressure	
Material	BODY	C3771BE
	TRIM	C3604BD/EPDM or SILICONE
Size	PT	H
15A	1/2"	112
20A	3/4"	112

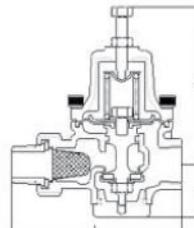


Structure map

Water Pressure Reducing Valve



Direct acting



Model	WRP - 305				
Applicable Fluid	Water(cold / hot water)				
1Side Applicable Pressure	10kgf/cm ² (0.98MPa)				
2Side Applicable Temperature	1 ~ 5 kgf/cm ²				
Applicable Temperature	MAX. 80℃				
Hydraulic Testing	10:1				
Connecting Method	Entrance	JIS PT Union			
	Exit	JIS PT Screwed			
Material	BODY	LEAD-FREE (Ni-Cr)			
	DISC / SEAT	EPDM/STS			
Size	H1	H2	H	L	
15A	(일반)	30	80	110	90
	(체크내장형)	30	80	110	110
20A	(일반)	31	94	125	120
	(체크내장형)	31	94	125	120

■ Built-in check type is made to order.

Resilient Seated Gate Valves for Water Works



Model	WRSV-10	
Applicable Fluid	Water works, Sewer	
Applicable Pressure	Max. 0.98/1.6Mpa	
Applicable Temperature	5℃ ~ 80℃	
Connecting Method	JIS B 2334 10K Flanged	
Hydraulic Testing	2.3 MPa at Water Pressure	
Material	BODY	GCD 450
	TRIM	GCD + EPDM Coating
Size	L	H
50A	180	303
80A	240	353
100A	250	400
125A	260	450
150A	280	520
200A	300	610
250A	380	710
300A	400	790
350A	430	915
400A	470	1010
450A	500	1110
500A	530	1200

■ Please contact us other specifications.

Auto Flow Control Valve



Model	WAF-10S	WAF-10F
Applicable Fluid	Water (cold / hot water)	
Applicable Pressure	Max. 0.98 MPa	
Applicable Temperature	Max. 120℃	
Connecting Method	JIS PT Screwed	JIS 10K Flanged
Differential Pressure Range	0.4kgf/cm ² ~ 7.5kgf/cm ²	
Flow Deviation	within 5% of rated flow	
Hydraulic Testing	1.5 MPa at Water Pressure	
Material	BODY	SS400
	TRIM	STS304
Size	L	
	WAF-10S	WAF-10F
15A	87	
20A	92	
25A	104	104
32A	120	125
40A	145	140
50A	165	165
65A		205
80A		225
100A		290
125A		335
150A		355

* Size and specifications of this product are subject to change without notice to improve performance. *

Flexible Metal Joint(Flanged type)



Model		WFJ-1F	WFJ-2F	
Applicable Fluid		Water, Steam, Air		
Applicable Pressure		Max. 0.98 MPa	Max. 1.96 MPa	
Applicable Temperature		Max. 220°C		
Connecting Method		JIS 10K Flanged	JIS 20K Flanged	
Hydraulic Testing		(1.5 MPa/3.0 MPa) at Water Pressure		
Material	FLANGE	SF390A / SSC13	SF390A / SSC13	
	BELLOWS	STS304	STS304	
	BRAID	STS304	STS304	
Size	L(mm)	BRAID	Maximum Applicable Pressure	
			10K	20K
25A	200	Line braiding	24	45
32A	200	Line braiding	20	36
40A	230	Line braiding	18	34
50A	230	Line braiding	15	28
65A	230	Line braiding	12	20
80A	230	Line braiding	12	20
100A	230	Line braiding	12	20
125A	280	Line braiding	10	18
150A	280	Line braiding	10	18
200A	300	Line braiding	10	18
250A	300	Plate braiding	10	18
300A	300	Plate braiding	10	18

■ Made to order for sizes over 350A

Flexible Metal Joint(Union type)



Model		WFJ-1S	
Applicable Fluid		Water, Steam, Air	
Applicable Pressure		Max. 0.98 MPa	
Applicable Temperature		Max. 220°C	
Connecting Method		PT Screwed	
Hydraulic Testing		1.5 MPa at Water Pressure	
Material	SOCKET	SSC13	
	BELLOWS	STS304	
	BRAID	STS304	
Size	L	A	
15A	255	PT 1/2"	
20A	280	PT 3/4"	
25A	310	PT 1"	
32A	330	PT 1 1/4"	
40A	365	PT 1 1/2"	
50A	380	PT 2"	

Bellows Pump Connector(Tie rod type)



KOREA

Model		WPC-10	WPC-20	
Applicable Fluid		Water, Steam, General liquid		
Applicable Pressure		Max. 0.98 MPa	Max. 1.96 MPa	
Applicable Temperature		Max. 220°C		
Hydraulic Testing		(1.5 MPa / 3.0 MPa) at Water Pressure		
Material	BELLOWS	STS 304		
	FLANGE	SS 400 / STS 304		
Size	MOVEMENT	DIMENSION		
		AXIAL	LATERAL	
	EXT	COMP	A-10kgf/cm²	
			B-20kgf/cm²	
			L	
			L	
40A	3	12	80	80
50A	3	12	115	120
65A	3	12	120	130
80A	3	12	120	135
100A	3	12	125	140
125A	3	12	130	145
150A	3	12	140	160
200A	3	12	150	170
250A	3	12	200	220
300A	3	12	200	220
350A	3	12	200	230
400A	3	12	200	235
450A	3	12	200	240
500A	3	12	210	250

Expansion Joint(Free type)



Model		WXF-5	
Applicable Fluid		Water, Steam, Oil	
Applicable Pressure		Max. 0.5 MPa	
Applicable Temperature		Max. 180°C	
Connecting Method		JIS 10K Flanged	
Hydraulic Testing		0.75 MPa	
Material	FLANGE	SS 400	
	BELLOWS	STS 304	

■ Made to order for operating pressure over 10K products

Dimensions

■ Provide data when ordering

Rubber Bellows Pump Connector(Tie rod type)



Model		WPC-10R			
Applicable Fluid		Water			
Applicable Pressure		Max. 0.98 MPa			
Applicable Temperature		5°C ~ 80°C			
Connecting Method		JIS 10K Flanged			
Hydraulic Testing		1.5 MPa at Water Pressure			
Material	FLANGE	SS400			
	BELLOWS	EPDM			
Size	L	AXIAL		PCD	
		EXT	COMP		
40A	150	10	20	105	
50A	150	10	20	120	
65A	150	10	20	140	
80A	150	10	20	150	
100A	200	10	20	175	
125A	200	10	20	210	
150A	200	10	20	240	
200A	200	10	20	290	
250A	200	10	20	355	
300A	200	10	20	400	

■ Made to order for sizes over 350A

Rubber Bellows Pump Connector(One/Two Ball type)

WRO-10
One Ball type



WRT-10
Two Ball type



Model		WRO-10	
Applicable Fluid		Water	
Applicable Pressure		Max. 1.6 MPa	
Applicable Temperature		5°C ~ 80°C	
Connecting Method		JIS 10K Flanged	
Hydraulic Testing		2.4 MPa at Water Pressure	
Material	FLANGE	SCP42/SF390A/SSC13	
	BELLOWS	EPDM	
Size	L	WRO-10	
		WRT-10	
25A	95	-	
32A	95	-	
40A	95	150	
50A	105	150	
65A	115	150	
80A	135	150	
100A	150	200	
125A	165	200	
150A	180	200	
200A	210	200	
250A	230	200	
300A	245	200	
350A	255	255	
400A	255	255	
450A	255	-	
500A	255	-	

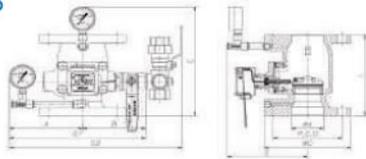
Alarm Valve (Flanged type)



Model	WAL-10			
Applicable Pressure	0.15MPa ~ 1.4MPa			
Hydraulic Testing	2.1 MPa at Water Pressure			
Pressure Loss	Max. 20.7KPa			
Adhesion Direction	Vertical			
Alarm Switch	DC24V			
Material	BODY	GCD450		
	TRIM	SSC13/EPDM		

Size	A	C	D	H
65A	147	117	123	180
80A	151	121	128	200
100A	162	131	140	220
125A	175	144	160	250
150A	191	160	175	280

Structure map



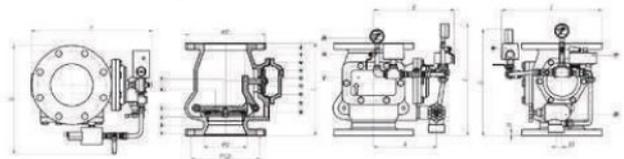
Pre-Action Valve (Flanged type)



Model	WPR-10			
Hydraulic Testing	2.1 MPa at Water Pressure			
Applicable Pressure	0.15 MPa ~ 1.4 MPa			
Connecting Method	KB B1511 FF10K			
Material	BODY	GCD (Ductile)		
	TRIM	CAC406/NBR		
Adhesion Direction	Vertical			
Pilot Valve	MOV(Open type DC 24V)			

Size	L	F	C	G
80A	240	350	355	335
100A	265	385	365	350
125A	300	400	385	360
150A	326	430	400	390

Structure map



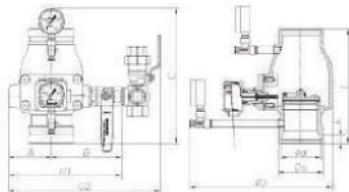
Alarm Valve(Grooved type)



Model	WAL-10			
Applicable Pressure	0.15MPa ~ 1.4MPa			
Hydraulic Testing	2.1 MPa at Water Pressure			
Pressure Loss	Max. 20.7KPa			
Adhesion Direction	Vertical			
Alarm Switch	DC24V			
Material	BODY	GCD450		
	TRIM	SSC13/EPDM		

Size	A	C	D	G2	L
65A	79	260	220	287	180
80A	84	270	220	302	200
100A	96	285	235	324	220
125A	120	320	250	363	250
150A	130	340	260	388	280

Structure map

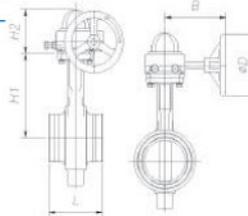


Temper Indicated Butterfly Valve (Grooved type)



Model	WGB-10			
Applicable Fluid	Water			
Nominal Pressure	Max. 1.0MPa			
Applicable Pressure	Max. 1.4 MPa			
Connecting Method	Grooved end			
Testing	Hydraulic	2.8 MPa at Water Pressure		
	Leak	2.1 MPa at Water Pressure		
Material	BODY	GCD 450		
	DISC	GCD 450/NBR		
	TRIM	Encapsulated		

Size	L	H1	H2	B	ΦD
65A	98	106	107	152	130
80A	105	111	107	152	130
100A	115	146	107	152	130
125A	125	146	107	189	130
150A	151	146	107	200	130



Temper Indicated Butterfly Valve(Rug type)



Structure map

Model	WRB-10			
Applicable Fluid	Water			
Nominal Pressure	Max. 1.0MPa			
Applicable Pressure	Max. 1.4 MPa			
Connecting Method	JIS 10K WAFER			
Testing	Hydraulic	2.8 MPa at Water Pressure		
	Leak	2.1 MPa at Water Pressure		
Material	BODY	GC200		
	TRIM	SSC13 / NBR		

Size	L	H1	H2	B	ΦD
65A	44	160	104	140	134
80A	44	165	104	140	134
100A	50	185	104	140	134
125A	54	203	104	140	134
150A	54	216	104	140	134

Temper Indicated Gate Valve(Flanged type)



Model	WGO-10	
Applicable Fluid	Water	
Applicable Pressure	Max. 1.6MPa	
Applicable Temperature	Max. 120 °C	
Connecting Method	JIS 10K Flanged	
Hydraulic Testing	2.8 MPa at Water Pressure	
Material	BODY	GC 200
	TRIM	STS304/CAC406

Size	L	H
65A	190	425
80A	200	490
100A	230	575
125A	250	685
150A	270	795

품질경영시스템인증서

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표 준	KS Q ISO 9001:2015/ISO 9001:2015
인증범위	부속시 참조

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* 상호, 인증범위 및 인증방식 변경에 따른 인증서 재발행



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- 3 The failure caused by arbitrary modify or repair od the product
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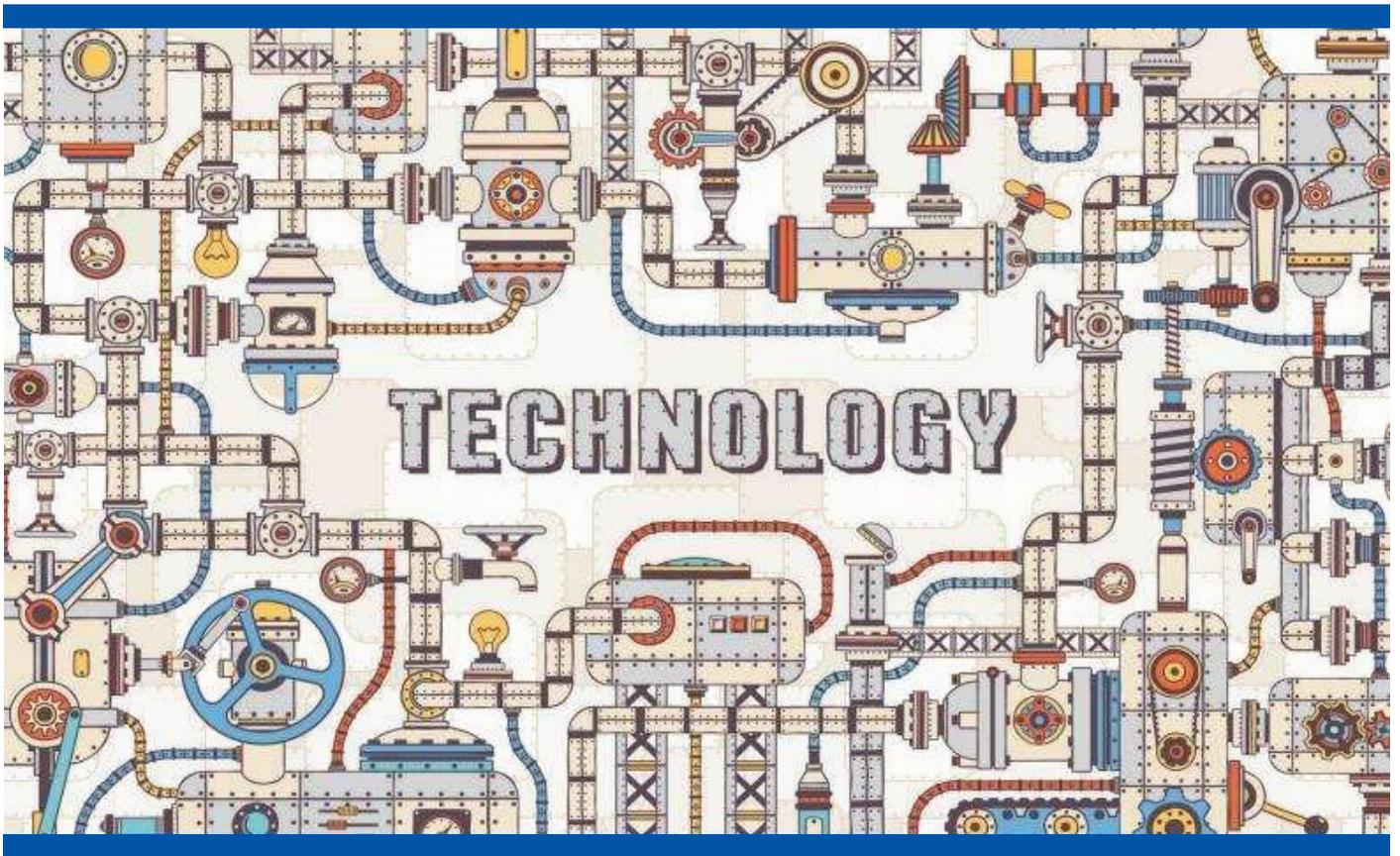
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