东吴机械 DWMC
吴江市东吴机械有限责任公司
地址：苏州市吴江区黎里镇康力大道777号
邮编：215211
销售电话：86-512-632-91913
核电销售电话：0512-63291903
传真：86-512-632-95988
邮箱：xijia.xia@w-va.com.cn
网址：http://www.w-va.com.cn

NEWAY DWMC

美标系列
安 全 阀

吴江市东吴机械有限责任公司

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产品系列

公司简介

吴江市东吴机械有限责任公司创建于1954年，是一家专业生产安全阀的高新技术企业。目前东吴机械拥有员工180多人，占地面积30000多平方米。公司坐落于江、浙、沪交汇的江苏省汾湖经济开发区，东临上海，西濒太湖，南接浙江，北依苏州，是长江三角洲经济圈的中心区域。

在获得了安全阀相当业绩及诸多殊荣后，东吴机械并没有满足现状， 而是放眼未来，继续开拓创新。

继2010年与华东理工大学签订了五年的合作协议，合作开 发研制适用于石化、电力等行业的高温、高压安全阀和核电稳压器安全阀，以及安全阀热 态全性能检测装置后，2011年公司又与苏州纽威阀门强强联手，本着科学的管理、丰富的 实践经验、完善的管理机制，以打造国际一流的安全阀品牌，成就知名企业为使命，锐意 进取，努力为客户提供安全、可靠的安全阀系列产品。

经营理念:
人本、诚信、务实、创新

质量方针:
持续改进，追求零缺陷

安全政策:
持续改善，追求零伤害

资质认证

东吴机械是全国第一批拥有机电部安全阀生产许可证的单位，公司在加入了中国石油天然气集团一级供应网络和能源一号网后，又成为了中国石油化工集团物资装备部和国家电力物资公司的成员厂家。1998年公司在通过ISO9001质量体系认证的基础上，相继取得了OSAHS18001职业健康安全管理体系证书、ISO14001环境管理体系证书,

2004年获得国家核安全局颁发的民用核承压设备设计、制造核1、2、3级安全阀的许可证，2005年顺利通过了核电站主蒸汽安全阀的鉴定，同时这两项核电产品还被江苏省科技厅认定为高科技技术产品，并分别在2006年获得了省火炬项目和国家火炬项目证书。

公司的安全阀产品有几十项已经获得了知识产权局专利证书，东吴机械已连续多年被评为市“重合同、守信用”企业，还获得江苏名牌产品、苏州市知名商标等称号。目前公司作为牵头单位承担了国家重大专项CAP1400系列稳压器安全阀的研制工作。


中华人民共和国民用核安全设备

制造许可证

国核安证字Z(20)33号

持证单位：吴江市东吴机械有限责任公司
法定代表人：王保庆
单位住所：苏州市吴江区黎里镇康力大道777号
设备类别：阀门
核安全级别：核安全2、3级
有效期限：2025年9月30日
许可活动范围及条件：见国核安发〔2020〕252号文

国家核安全局
2020年10月28日


中华人民共和国民用核安全设备

设计许可证

国核安证字S(20)21号

持证单位：吴江市东吴机械有限责任公司
法定代表人：王保庆
单位住所：苏州市吴江区黎里镇康力大道777号
设备类别：阀门
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国家核安全局
2020年10月28日

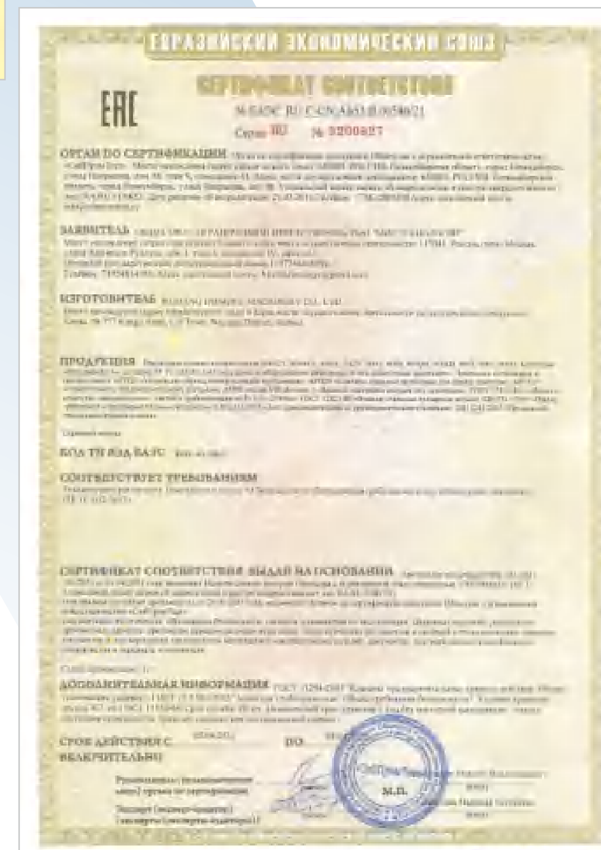

BUREAU VERITAS

TYPE APPROVAL CERTIFICATE

BVMC-OFI-TRC/SZ-22/164-TAC-C-001

Name of Manufacturer: WUJIANG DONGWU MACHINERY CO., LTD.

Product: PRESSURE RELIEF VALVE


ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ

EAC

СЕРТИФИКАТ СООТВЕТСТВИЯ

美标安全阀系列

NBBI SINCE 1919 THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS

February 4, 2025

Attn: Xia
Ningqi Valve Group - Wujiang Dongwu Machinery Co., Ltd
No. 777 Kunzhi Road, Wujiang Pontai Economic Development Zone
Suzhou, Jiangsu, 215513
People's Republic of China

SUBJECT: Initial Certification, Type: WFO

NB Cap Cert No: DWM-M0418

Dear Mister Xia:

On February 1, 2025, tests were conducted in the National Board Testing Laboratory for the purpose of obtaining initial capacity certification for the subject device type. These tests were conducted in accordance with the provisions of paragraph UV-6 of Section VIII of the ASME Code with nitrogen (gas) used as the test media. The test results are reported in test nos. as SN#XX, SN#YY, SN#ZZ, and so forth.

These devices opened within the applicable blowdown for set pressure and flowed within the applicable tolerance for blowdown. A lowest test flow of Ksdiscf is 0.896 was determined. Each device used in calculating the average test coefficient of discharge exceeded the minimum required test value of Ksdiscf minus 3% or Ksdiscf minus 0.03. The average test coefficient of discharge was calculated to be Ksdisc = 0.867.

Ningqi Valve Group - Wujiang Dongwu Machinery Co., Ltd is hereby granted initial capacity certification for the type WFO-4 with a flow coefficient of discharge (as stated) of 0.867 valid for the sizes and set pressures specified in the applications for this design.

NOTE: Do not affix any device bearing the National Board "NB" mark until successful testing has been completed in accordance with the requirements of paragraph UV-6 of Section VIII of the ASME Boiler and Pressure Vessel Code.

Please verify in writing the rated coefficient of discharge that will be used for capacity calculations.

Sincerely,

Austin Pack
Manager of Pressure Relief Testing Laboratory
FILE: 22024 DWM-M0420 Provisional Testing Letter

PRESSURE RELIEF DEVICE CERTIFICATION AND TESTING LABORATORIES

NBBI SINCE 1919 THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS

February 1, 2025

Attn: Xia
Ningqi Valve Group - Wujiang Dongwu Machinery Co., Ltd
No. 777 Kunzhi Road, Wujiang Pontai Economic Development Zone
Suzhou, Jiangsu, 215513
People's Republic of China

SUBJECT: Initial Certification, Type: WFO-1

NB Cap Cert No: DWM-M0420

Dear Mister Xia:

On February 1, 2025, tests were conducted in the National Board Testing Laboratory for the purpose of obtaining initial capacity certification for the subject device type. These tests were conducted in accordance with the provisions of paragraph UV-6 of Section VIII of the ASME Code with nitrogen (gas) used as the test media. The test results are reported in test nos. as SN#XX, SN#YY, SN#ZZ, and so forth.

These devices opened within the applicable blowdown for set pressure and flowed within the applicable tolerance for blowdown. A lowest test flow of Ksdiscf is 0.892 was determined. Each device used in calculating the average test coefficient of discharge exceeded the minimum required test value of Ksdiscf minus 3% or Ksdiscf minus 0.03. The average test coefficient of discharge was calculated to be Ksdisc = 0.865.

Ningqi Valve Group - Wujiang Dongwu Machinery Co., Ltd is hereby granted initial capacity certification for the type WFO-1 with a flow coefficient of discharge (as stated) of 0.865 valid for the sizes and set pressures specified in the applications for this design.

NOTE: Do not affix any device bearing the National Board "NB" mark until successful testing has been completed in accordance with the requirements of paragraph UV-6 of Section VIII of the ASME Boiler and Pressure Vessel Code.

Please verify in writing the rated coefficient of discharge that will be used for capacity calculations.

Sincerely,

Austin Pack
Manager of Pressure Relief Testing Laboratory
FILE: 22024 DWM-M0420 Provisional Testing Letter

PRESSURE RELIEF DEVICE CERTIFICATION AND TESTING LABORATORIES

质量管理体系认证证书

证书号：

证 书 明

吴江市东吴机械有限责任公司

弹簧式安全阀、先导式安全阀的设计、生产、销售

注册地址：江苏省苏州市吴江区震泽镇康力大道777号
经营地址：江苏省苏州市吴江区震泽镇康力大道777号

BCC IAF CNAS

环境管理体系认证证书

证书号：

证 书 明

吴江市东吴机械有限责任公司

弹簧式安全阀、先导式安全阀的设计、生产、销售

注册地址：江苏省苏州市吴江区震泽镇康力大道777号
经营地址：江苏省苏州市吴江区震泽镇康力大道777号

BCC IAF CNAS

职业健康安全管理体系认证证书

证书号：

证 书 明

吴江市东吴机械有限责任公司

弹簧式安全阀、先导式安全阀的设计、生产、销售

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经营地址：江苏省苏州市吴江区震泽镇康力大道777号

BCC IAF CNAS

发展历史

2023年

国家核安全局批准了东吴机械在民用核安全设备设计和制造许可活动范围中增加1级许可范围

通过美国NBBI试验室关于ASME第八篇的气体、液体、蒸汽的安全阀排量试验

2016年

“华龙一号”主蒸汽安全阀通过由国家能源局和中国机械联合会组织的专家组验收

2014年

经兴原认证中心认证合格，取得中核集团合格供应商证书

2012年

因在超（超）临界火电机组关键阀门国产化工作中做出了重要贡献，获国家能源局表彰

2011年

与纽威阀门强强联手，共同致力于打造国际一流的安全阀品牌

2010年

与华东理工大学签订合作协议，合作开发研制适用于石化、电力（包括核电）等行业的高温、高压安全阀和核电稳压器、主蒸汽安全阀热态全性能试验装置

2009年

取得中国石油天然气集团公司物质供应商准入证

取得中华人民共和国民用核安全设备设计、制造许可证

2005年

自主研发的核电站用主蒸汽安全阀和核2、3级辅助系统安全阀通过中国机械工业联合会和江苏省科技厅联合组织的鉴定

2004年

取得国家核安全局颁发的民用核承压设备设计、制造核2、3级安全阀的资格许可证

2002年

取得中华人民共和国特种设备制造许可证

1998年

企业完成改制，建立了现代企业制度，成为现代化企业公司

1954年

公司前身吴江阀门工具厂成立

加工及检验设备

东吴机械现有1万平米的金加工车间、核电特种阀加工、装配、热处理等车间及化学分析、物理试验、计量三室，各类金切机床设备160多台套，检测设备30多台，安全阀(冷态)全性能测试装置及合金分析仪各一套；450℃，25MPa热态全性能试验装置一套。

进口通径DN8~DN500(NPS1/4~NPS20)，压力0.04MPa~42.0MPa。产品严格按照GB12241~12243，ASME BPVC I、III、VIII及API520、526、527等标准进行设计、制造、检验。这一系列先进的设备及过硬的技术为生产各类安全阀提供了有力的保障。

美标安全阀系列

2009年，我公司与华东理工大学合作，投资建设国内第一套严格按照ASME PTC25设计、建造的安全阀热态试验装置，该装置分两期建设。一期建设完成后可以满足二代加百万千瓦级核电站主蒸汽安全阀全性能试验（486t/h的排量)要求。一期试验装置设计温度为450℃，设计压力为25MPa，试验所用的介质为干饱和蒸汽（介质过热度＜10℃，干度＞98%），由一台6t/hr燃气直流锅炉提供，试验装置容器总容量为54.3M^3。其中动作性能试验容器一个，容量10.5M^3；排量试验容器一个，容量5M^3；储能器四个，总容量为38.8M^3。二期工程预留了一台锅炉和试验容器的空间，二期的工程建设完成后可以满足大流量安全阀的开发，该装置于2016年通过中国机械联合会组织的鉴定。

Product list

WFO SERIES:
STANDARD SAFETY VALVE

Use Precautions :

The WFO series is designed for overpressure protection in non-fire-resistant containers, and it is suitable for gases, steam, and liquids. It is also applicable for backpressures，which is not exceeding 10% of the set prussure and media that is non-toxic, harmless, non-flammable and explosive.

Characteristic:

Flanged joint
Full nozzle design
Reseating pressure can be adjusted

WFB SERIES:
BELLOWS SEAL BALANCE SAFETY VALVE

Use Precautions :

"The WFB series is designed for overpressure protection in non-fire-resistant containers, and it is suitable for gases, steam, and liquids. It is also applicable for backpressures exceeding 10% of the set pressure but less than 50%, or media that is toxic, harmful, flammable, and explosive..

Characteristic:

Flanged joint
Full nozzle design
Reseating pressure can be adjusted

WFSH/WFGH SERIES:
HYPERTHERMAL SAFETY VALVE

Use Precautions :

Suitable for power furnace, cracking furnace, DC protection, reheater and other equipment pipeline for overpressure protection

Characteristic:

Flanged joint/Welded link
Full nozzle /Elastic disc design
Reseating pressure can be adjusted
Back pressure sleeves adjust the return pressure to achieve a minimum open-close pressure differential
High performance high temperature material for the elastic disc material to ensure high temperature sealing

WFG SERIES:
STEAM SAFETY VALVE

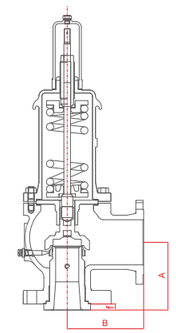
Use Precautions :

Overpressure protection for steam systems

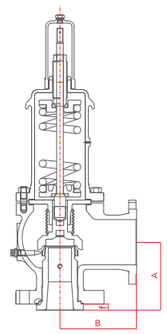
Characteristic:

Flanged joint/Welded link
Full nozzle /Elastic disc design
Reseating pressure can be adjusted
Back pressure sleeves adjust the return pressure to achieve a minimum open-close pressure differential
High performance high temperature material for the elastic disc material to ensure high temperature sealing

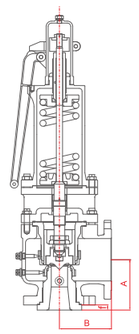
DWMC



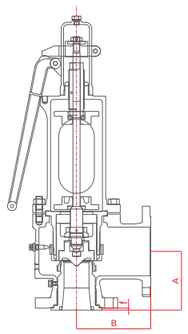
WFO Series



WFB Series



WFSH/WFGH Series



WFG Series

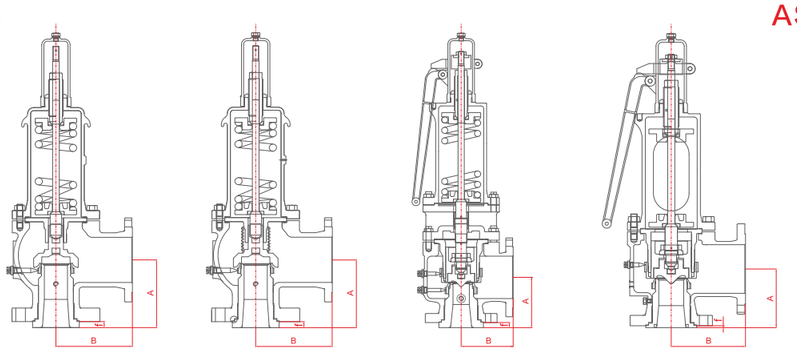
Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
1"xDx2"	150LB	150LB	105	115	15
1"xDx2"	300LB	150LB	105	115	15
1"xDx2"	300LB	300LB	105	115	15
1"xDx2"	300LB(a)	150LB	105	115	15
1"xDx2"	300LB(a)	300LB	105	115	15
1"xDx2"	600LB	150LB	105	115	15
1"xDx2"	600LB	300LB	105	115	15
1"xDx2"	600LB	600LB	105	115	15
1-1/2"xDx2"	900LB	300LB	105	140	7
1-1/2"xDx2"	1500LB	300LB	105	140	7
1-1/2"xDx3"	2500LB	300LB	140	178	15

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)							Meterials
	INLET	OUTLET		267.8	-267.8to-59.4	-59.4 to -28.9	-28.9 to 37.8	232.2	426.7	537.8	
1D2	150	150	15			19.7	19.7	12.8	5.5		Carbon steel C.St. WCB
1D2	300	150	30			19.7	19.7	19.7	19.7		
1D2	300	150	30a			51	51	42.7	28.3		
1D2	600	150	60			102	102	85.2	56.9		
1-1/2D2	900	300	90			153.1	153.1	127.9	85.2		
1-1/2D2	1500	300	150			255.5	255.5	213.1	142		
1-1/2D3	2500	300	250			413.7	413.7	355.2	236.5		
1D2	300	150	30						35.2	14.8	Chrome-molybdenum steel alloy St. WC6
1D2	600	150	60						70	29.6	
1-1/2D2	900	300	90						105.1	44.8	
1-1/2D2	1500	300	150						175.1	74.5	
1-1/2D3	2500	300	250						291.7	124.1	
1D2	150	150	15	19	19	19	19	12.4	5.5	1.4	Austenitic stainless steel St.St. CF8M
1D2	300	150	30	19	19	19	19	19	19	19	
1D2	300	150	30a	49.6	49.6	49.6	49.6	34.1	29	25.1	
1D2	600	150	60	99.3	99.3	99.3	99.3	68.3	58.3	50	
1-1/2D2	900	300	90	148.9	148.9	148.9	148.9	102.4	87.2	75.2	
1-1/2D2	1500	300	150	248.2	248.2	248.2	248.2	171	145.5	125.5	
1-1/2D3	2500	300	250	275.8	413.7	413.7	413.7	284.8	242.7	209	
1D2	150	150	15			15.9	15.9	12.1	5.5	3.4	Nickel-base/ copper alloy alloy St. M35-1
1D2	300	150	30			15.9	15.9	15.9	15.9	15.9	
1D2	300	150	30a			41.4	41.4	32.8	31.7	19	
1D2	600	150	60			82.7	82.7	65.2	63.1	37.9	
1-1/2D2	900	300	90			124.1	124.1	97.9	94.8	56.9	
1D2	150	150	15			15.9	15.9	12.4			Alloy of number 20 alloy St. CN7M
1D2	300	150	30			15.9	15.9	12.4			
1D2	300	150	30a			41.4	41.4	32.1			
1D2	600	150	60			82.7	82.7	64.1			
1-1/2D2	900	300	90			124.1	124.1	96.2			
1-1/2D2	1500	300	150			206.9	206.9	153.8			
1-1/2D3	2500	300	250			344.8	344.8	267.5			

ASME SERIES



WFO Series　WFB Series　WFSH/WFGH Series　WFG Series

Size of Flange Construction

E

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
1"xEx2"	150LB	150LB	105	115	15
1"xEx2"	300LB	150LB	105	115	15
1"xEx2"	300LB	300LB	105	115	15
1"xEx2"	300LB(a)	150LB	105	115	15
1"xEx2"	300LB(a)	300LB	105	115	15
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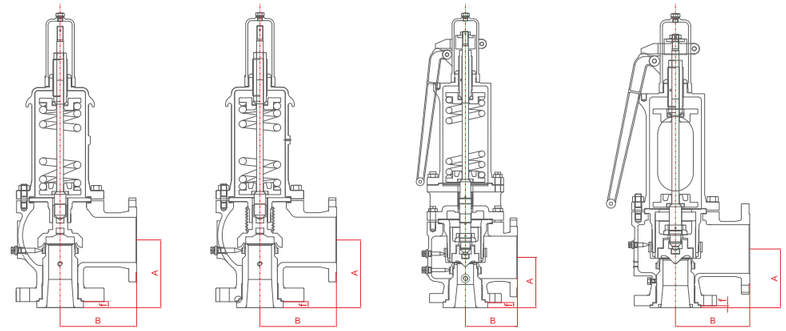
1"xEx2"	600LB	300LB	105	115	15
1"xEx2"	600LB	600LB	105	115	15
1-1/2"xEx2"	900LB	300LB	105	140	7
1-1/2"xEx2"	1500LB	300LB	105	140	7
1-1/2"xEx3"	2500LB	300LB	140	178	15

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)							Meterials
	INLET	OUTLET		-267.8	-267.8 to -59.4	-59.4 to -28.9	-28.9 to 37.8	232.2	426.7	537.8	
1E2	150	150	15			19.7	19.7	12.8	5.5		Carbon steel C.St. WCB
1E2	300	150	30			19.7	19.7	19.7	19.7		
1E2	300	150	30a			51	51	42.7	28.3		
1E2	600	150	60			102	102	85.2	56.9		
1-1/2E2	900	300	90			153.1	153.1	127.9	85.2		
1-1/2E2	1500	300	150			255.5	255.5	213.1	142		
1-1/2E3	2500	300	250			413.7	413.7	355.2	236.5		
1E2	300	150	30						35.2	14.8	Chrome-molybdenum steel alloy St. WC6
1E2	600	150	60						70	29.6	
1-1/2E2	900	300	90						105.1	44.8	
1-1/2E2	1500	300	150						175.1	74.5	
1-1/2E3	2500	300	250						291.7	124.1	
1E2	150	150	15	19	19	19	19	12.4	5.5	1.4	Austenitic stainless steel St.St. CF8M
1E2	300	150	30	19	19	19	19	19	19	19	
1E2	300	150	30a	49.6	49.6	49.6	49.6	34.1	29	25.1	
1E2	600	150	60	99.3	99.3	99.3	99.3	68.3	58.3	50	
1-1/2E2	900	300	90	148.9	148.9	148.9	148.9	102.4	87.2	75.2	
1-1/2E2	1500	300	150	248.2	248.2	248.2	248.2	171	145.5	125.5	
1-1/2E3	2500	300	250	275.8	413.7	413.7	413.7	284.8	242.7	209	
1E2	150	150	15			15.9	15.9	12.1	5.5	3.4	Nickel-base/ copper alloy alloy St. M35-1
1E2	300	150	30			15.9	15.9	15.9	15.9	15.9	
1E2	300	150	30a			41.4	41.4	32.8	31.7	19	
1E2	600	150	60			82.7	82.7	65.2	63.1	37.9	
1-1/2E2	900	300	90			124.1	124.1	97.9	94.8	56.9	
1E2	150	150	15			15.9	15.9	12.4			Alloy of number 20 alloy St. CN7M
1E2	300	150	30			15.9	15.9	12.4			
1E2	300	150	30a			41.4	41.4	32.1			
1E2	600	150	60			82.7	82.7	64.1			
1-1/2E2	900	300	90			124.1	124.1	96.2			
1-1/2E2	1500	300	150			206.9	206.9	153.8			
1-1/2E3	2500	300	250			344.8	344.8	267.5			

DWMC



WFO Series　WFB Series　WFSH/WFGH Series　WFG Series

Size of Flange Construction

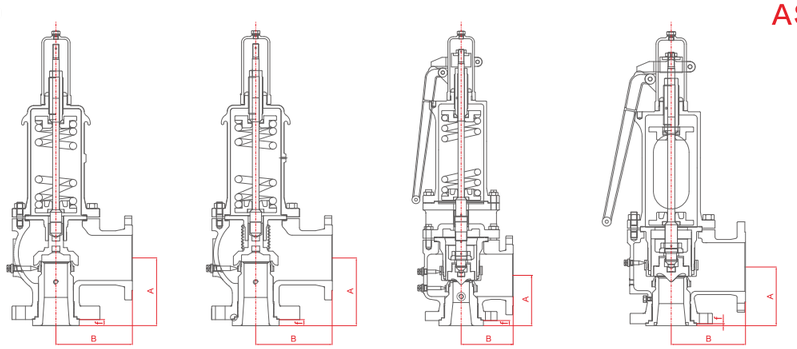
F

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
1-1/2"xFx2"	150LB	150LB	124	121	14
1-1/2"xFx2"	300LB	150LB	124	121	14
1-1/2"xFx2"	300LB	300LB	124	121	14
1-1/2"xFx2"	300LB(a)	150LB	124	152	14
1-1/2"xFx2"	300LB(a)	300LB	124	152	14
1-1/2"xFx2"	600LB	150LB	124	152	14
1-1/2"xFx2"	600LB	300LB	124	152	14
1-1/2"xFx3"	900LB	150LB	124	165	6
1-1/2"xFx3"	900LB	300LB	124	165	6
1-1/2"xFx3"	1500LB	300LB	124	165	6
1-1/2"xFx3"	2500LB	300LB	140	178	15

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)							Meterials
	INLET	OUTLET		-267.8	-267.8 to -59.4	-59.4 to -28.9	-28.9 to 37.8	232.2	426.7	537.8	
1-1/2F2	150	150	15			19.7	19.7	12.8	5.5		Carbon steel C.St. WCB
1-1/2F2	300	150	30			19.7	19.7	19.7	19.7		
1-1/2F2	300	150	30a			51	51	42.7	28.3		
1-1/2F2	600	150	60			102	102	85.2	56.9		
1-1/2F3	900	300	90			153.1	153.1	127.9	85.2		
1-1/2F3	1500	300	150			255.5	255.5	213.1	141.7		
1-1/2F3	2500	300	250			344.8	344.8	344.8	236.5		
1-1/2F2	300	150	30						35.2	14.8	Chrome-molybdenum steel alloy St. WC6
1-1/2F2	600	150	60						70	29.6	
1-1/2F3	900	300	90						105.1	44.8	
1-1/2F3	1500	300	150						175.1	74.5	
1-1/2F3	2500	300	250						291.7	124.1	
1-1/2F2	150	150	15	19	19	19	19	12.4	5.5	1.4	Austenitic stainless steel St.St. CF8M
1-1/2F2	300	150	30	19	19	19	19	19	19	19	
1-1/2F2	300	150	30a	49.6	49.6	49.6	49.6	34.1	29	25.2	
1-1/2F2	600	150	60	99.3	99.3	99.3	99.3	68.3	58.3	50	
1-1/2F3	900	300	90	148.9	148.9	148.9	148.9	102.4	87.2	75.2	
1-1/2F3	1500	300	150	151.7	248.2	248.2	248.2	171	145.5	125.5	
1-1/2F3	2500	300	250	234.4	344.8	344.8	344.8	284.8	242.7	209	
1-1/2F2	150	150	15			15.9	15.9	12.1	5.5	3.4	Nickel-base/ copper alloy alloy St. M35-1
1-1/2F2	300	150	30			15.9	15.9	15.9	15.9	15.9	
1-1/2F2	300	150	30a			41.4	41.4	32.8	31.7	19	
1-1/2F2	600	150	60			82.7	82.7	65.2	63.1	37.9	
1-1/2F3	900	300	90			124.1	124.1	97.9	94.8	56.9	
1-1/2F2	150	150	15			15.9	15.9	12.4			Alloy of number 20 alloy St. CN7M
1-1/2F2	300	150	30			15.9	15.9	12.4			
1-1/2F2	300	150	30a			41.4	41.4	32.1			
1-1/2F2	600	150	60			82.7	82.7	64.1			
1-1/2F3	900	300	90			124.1	124.1	96.2			
1-1/2F3	1500	300	150			206.9	206.9	160.7			
1-1/2F3	2500	300	250			344.8	344.8	267.5			

ASME SERIES



WFO Series　WFB Series　WFSH/WFGH Series　WFG Series

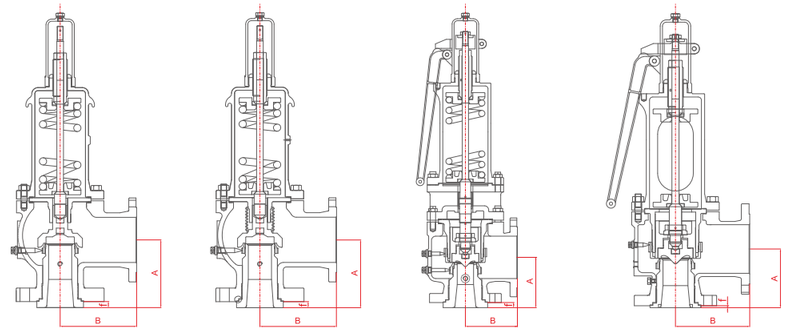
Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
1-1/2"xGx3"	150LB	150LB	124	121	16
1-1/2"xGx3"	300LB	150LB	124	121	16
1-1/2"xGx3"	300LB	300LB	124	121	16
1-1/2"xGx3"	300LB(a)	150LB	124	152	6
1-1/2"xGx3"	300LB(a)	300LB	124	152	6
1-1/2"xGx3"	600LB	150LB	124	152	6
1-1/2"xGx3"	600LB	300LB	124	152	6
1-1/2"xGx3"	900LB	150LB	124	165	6
1-1/2"xGx3"	900LB	300LB	124	165	6
2"xGx3"	1500LB	300LB	156	171	12
2"xGx3"	2500LB	300LB	156	171	12

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)							Meterials
	INLET	OUTLET		-267.8	-267.8 to -59.4	-59.4 to -28.9	-28.9 to 37.8	232.2	426.7	537.8	
1-1/2G3	150	150	15			19.7	19.7	12.8	5.5		Carbon steel C.St. WCB
1-1/2G3	300	150	30			19.7	19.7	19.7	19.7		
1-1/2G3	300	150	30a			51	51	42.4	28.3		
1-1/2G3	600	150	60			102	102	85.2	56.9		
1-1/2G3	900	300	90			153.1	153.1	127.2	85.2		
2G3	1500	300	150			255.5	255.5	213.1	141.7		
2G3	2500	300	250			255.5	255.5	255.5	236.5		
1-1/2G3	300	150	30a						35.2	14.8	Chrome-molybdenum steel alloy St. WC6
1-1/2G3	600	150	60						70	29.6	
1-1/2G3	900	300	90						105.1	44.8	
2G3	1500	300	150						175.1	74.5	
2G3	2500	300	250						255.5	124.1	
1-1/2G3	150	150	15	19	19	19	19	12.4	5.5	1.4	Austenitic stainless steel St.St. CF8M
1-1/2G3	300	150	30	19	19	19	19	19	19	19	
1-1/2G3	300	150	30a	49.6	49.6	49.6	49.6	34.1	29	25.2	
1-1/2G3	600	150	60	99.3	99.3	99.3	99.3	68.3	58.3	50	
1-1/2G3	900	300	90	148.9	148.9	148.9	148.9	102.4	87.2	75.2	
2G3	1500	300	150	168.9	248.2	248.2	248.2	171	145.5	125.5	
2G3	2500	300	250	179.3	248.2	248.2	248.2	248.2	242.7	209	
1-1/2G3	150	150	15			15.9	15.9	12.1	5.5	3.4	Nickel-base/ copper alloy alloy St. M35-1
1-1/2G3	300	150	30			15.9	15.9	15.9	15.9	15.9	
1-1/2G3	300	150	30a			41.4	41.4	32.8	31.7	19	
1-1/2G3	600	150	60			82.7	82.7	65.2	63.1	37.9	
1-1/2G3	900	300	90			124.1	124.1	97.9	94.8	56.9	
1-1/2G3	150	150	15			15.9	15.9	12.4			Alloy of number 20 alloy St. CN7M
1-1/2G3	300	150	30			15.9	15.9	12.4			
1-1/2G3	300	150	30a			41.4	41.4	32.1			
1-1/2G3	600	150	60			82.7	82.7	64.1			
1-1/2G3	900	300	90			124.1	124.1	96.2			
2G3	1500	300	150			206.9	206.9	160.7			
2G3	2500	300	250			255.5	255.5	255.5			

DWMC



WFO Series　WFB Series　WFSH/WFGH Series　WFG Series

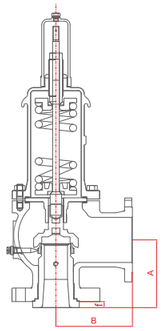
Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
1-1/2"xHx3"	150LB	150LB	130	124	22
1-1/2"xHx3"	300LB	150LB	130	124	22
1-1/2"xHx3"	300LB	300LB	130	124	22
2"xHx3"	300LB	150LB	130	124	12
2"xHx3"	300LB	300LB	130	150	12
2"xHx3"	600LB	150LB	154	162	10
2"xHx3"	600LB	300LB	154	162	10
2"xHx3"	900LB	150LB	154	162	10
2"xHx3"	900LB	300LB	154	162	10
2"xHx3"	1500LB	300LB	154	162	10
2"xHx3"	2500LB	300LB	156	171	7.92

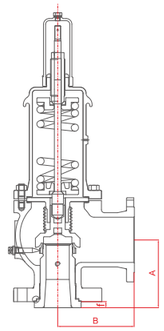
Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)							Meterials
	INLET	OUTLET		-267.8	-267.8 to -59.4	-59.4 to -28.9	-28.9 to 37.8	232.2	426.7	537.8	
1-1/2H3	150	150	15			19.7	19.7	12.8	5.5		Carbon steel C.St. WCB
1-1/2H3	300	150	30			19.7	19.7	19.7	19.7		
2H3	300	150	30			51	51	42.8	28.3		
2H3	600	150	60			102	102	85.2	56.9		
2H3	900	150	90			153.1	153.1	127.9	85.2		
2H3	1500	300	150			189.6	189.6	189.6	141.7		
2H3	300	150	30						35.2	14.8	Chrome-molybdenum steel alloy St. WC6
2H3	600	150	60						70	29.6	
2H3	900	150	90						105.1	44.8	
2H3	1500	300	150						175.1	74.5	
1-1/2H3	150	150	15	19	19	19	19	12.4	5.5	1.4	Austenitic stainless steel St.St. CF8M
1-1/2H3	300	150	30	19	19	19	19	19	19	19	
2H3	300	150	30	49.6	49.6	49.6	49.6	34.1	29	25.2	
2H3	600	150	60	99.3	99.3	99.3	99.3	68.3	58.3	50	
2H3	900	150	90	102.4	148.9	148.9	148.9	102.4	87.2	75.2	
2H3	1500	300	150	110.3	189.6	189.6	189.6	171	145.5	125.5	
1-1/2H3	150	150	15			15.9	15.9	12.1	19	3.4	Nickel-base/ copper alloy alloy St. M35-1
1-1/2H3	300	150	30			15.9	15.9	15.9	19	15.9	
2H3	300	150	30			41.4	41.4	32.8	49.7	19	
2H3	600	150	60			82.7	82.7	65.2	99.3	37.9	
2H3	900	150	90			124.1	124.1	97.9	149	56.9	
1-1/2H3	150	150	15			15.9	15.9	12.4			Alloy of number 20 alloy St. CN7M
1-1/2H3	300	150	30			15.9	15.9	12.4			
2H3	300	150	30			41.4	41.4	32.1			
2H3	600	150	60			82.7	82.7	64.1			
2H3	900	150	90			124.1	124.1	96.2			
2H3	1500	300	150			189.6	189.6	160.7			

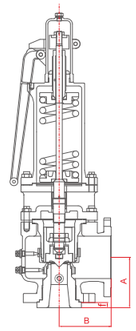
ASME SERIES



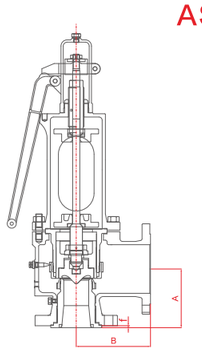
WFO Series



WFB Series



WFSH/WFGH Series



WFG Series

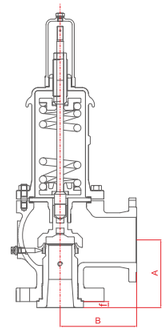
Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
2"xJx3"	150LB	150LB	137	124	18
2"xJx3"	300LB	150LB	137	124	18
2"xJx3"	300LB	300LB	137	150	18
3"xJx4"	300LB	150LB	184	181	24
3"xJx4"	300LB	300LB	184	181	24
3"xJx4"	600LB	150LB	184	181	24
3"xJx4"	600LB	300LB	184	181	24
3"xJx4"	900LB	150LB	184	181	24
3"xJx4"	900LB	300LB	184	181	24
3"xJx4"	1500LB	300LB	184	181	24

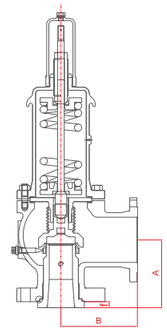
Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)							Meterials
	INLET	OUTLET		-267.8	-267.8 to -59.4	-59.4 to -28.9	-28.9 to 37.8	232.2	426.7	537.8	
1-1/2F2	150	150	15			19.7	19.7	12.8	5.5		Carbon steel C.St. WCB
1-1/2F2	300	150	30			19.7	19.7	19.7	19.7		
1-1/2F2	300	150	30a			51	51	42.7	28.3		
1-1/2F2	600	150	60			102	102	85.2	56.9		
1-1/2F3	900	300	90			153.1	153.1	127.9	85.2		
1-1/2F3	1500	300	150			255.5	255.5	213.1	141.7		
1-1/2F3	2500	300	250			344.8	344.8	344.8	236.5		
1-1/2F2	300	150	30						35.2	14.8	Chrome-molybdenum steel alloy St. WC6
1-1/2F2	600	150	60						70	29.6	
1-1/2F3	900	300	90						105.1	44.8	
1-1/2F3	1500	300	150						175.1	74.5	
1-1/2F3	2500	300	250						291.7	124.1	
1-1/2F2	150	150	15	19	19	19	19	12.4	5.5	1.4	Austenitic stainless steel St.St. CF8M
1-1/2F2	300	150	30	19	19	19	19	19	19	19	
1-1/2F2	300	150	30a	49.6	49.6	49.6	49.6	34.1	29	25.2	
1-1/2F2	600	150	60	99.3	99.3	99.3	99.3	68.3	58.3	50	
1-1/2F3	900	300	90	148.9	148.9	148.9	148.9	102.4	87.2	75.2	
1-1/2F3	1500	300	150	151.7	248.2	248.2	248.2	171	145.5	125.5	
1-1/2F3	2500	300	250	234.4	344.8	344.8	344.8	284.8	242.7	209	
1-1/2F2	150	150	15			15.9	15.9	12.1	5.5	3.4	Nickel-base/ copper alloy alloy St. M35-1
1-1/2F2	300	150	30			15.9	15.9	15.9	15.9	15.9	
1-1/2F2	300	150	30a			41.4	41.4	32.8	31.7	19	
1-1/2F2	600	150	60			82.7	82.7	65.2	63.1	37.9	
1-1/2F3	900	300	90			124.1	124.1	97.9	94.8	56.9	
1-1/2F2	150	150	15			15.9	15.9	12.4			Alloy of number 20 alloy St. CN7M
1-1/2F2	300	150	30			15.9	15.9	12.4			
1-1/2F2	300	150	30a			41.4	41.4	32.1			
1-1/2F2	600	150	60			82.7	82.7	64.1			
1-1/2F3	900	300	90			124.1	124.1	96.2			
1-1/2F3	1500	300	150			206.9	206.9	160.7			
1-1/2F3	2500	300	250			344.8	344.8	267.5			

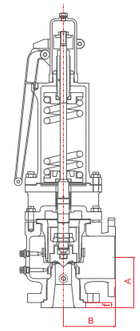
DWMC



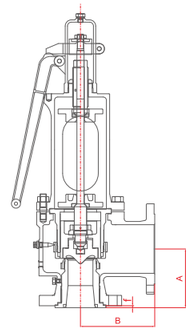
WFO Series



WFB Series



WFSH/WFGH Series



WFG Series

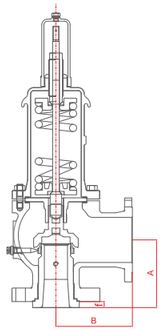
Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
3"xKx4"	150LB	150LB	156	162	20
3"xKx4"	300LB	150LB	156	162	20
3"xKx4"	300LB	300LB	156	162	20
3"xKx4"	300LB(a)	150LB	156	162	20
3"xKx4"	300LB(a)	300LB	156	162	20
3"xKx4"	600LB	150LB	184	181	24
3"xKx4"	900LB	150LB	184	181	24
3"xKx6"	900LB	150LB	198	216	18
3"xKx6"	900LB	300LB	198	216	18
3"xKx6"	1500LB	300LB	197	216	17

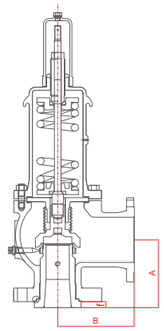
Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)							Meterials
	INLET	OUTLET		-267.8	-267.8 to -59.4	-59.4 to -28.9	-28.9 to 37.8	232.2	426.7	537.8	
3K4	150	150	15			19.7	19.7	12.8	5.5		Carbon steel C.St. WCB
3K4	300	150	30			19.7	19.7	19.7	19.7		
3K4	300	150	30a			51	51	42.8	28.3		
3K4	600	150	60			102	102	85.2	56.9		
3K6	900	150	90			153.1	153.1	127.9	85.2		
3K6	1500	300	150			153.1	153.1	153.1	141.7		
3K4	300	150	30a						35.2	14.8	Chrome-molybdenum steel alloy St. WC6
3K4	600	150	60						70	29.6	
3K6	900	150	90						105.1	44.8	
3K6	1500	300	150						153.1	74.5	
3K4	150	150	15	19	19	19	19	12.4	5.5	1.4	Austenitic stainless steel St.St. CF8M
3K4	300	150	30	19	19	19	19	19	19	19	
3K4	300	150	30a	36.2	49.6	49.6	49.6	34.1	29	25.2	
3K4	600	150	60	41.4	99.3	99.3	99.3	68.3	58.3	50	
3K6	900	150	90	41.4	148.9	148.9	148.9	102.4	87.2	75.2	
3K6	1500	300	150	51.7	153.1	153.1	153.1	153.1	145.5	125.5	
3K4	150	150	15			15.9	15.9	12.1	5.5	3.4	Nickel-base/ copper alloy alloy St. M35-1
3K4	300	150	30			15.9	15.9	15.9	15.9	15.9	
3K4	300	150	30a			41.4	41.4	32.8	31.7	19	
3K4	600	150	60			82.7	82.7	65.2	63.1	37.9	
3K6	900	150	90			124.1	124.1	97.9	94.8	56.9	
3K4	150	150	15			15.9	15.9	12.4			Alloy of number 20 alloy St. CN7M
3K4	300	150	30			15.9	15.9	12.4			
3K4	300	150	30a			41.4	41.4	32.1			
3K4	600	150	60			82.7	82.7	64.1			
3K6	900	150	90			124.1	124.1	96.2			
3K6	1500	300	150			153.1	153.1	153.1			

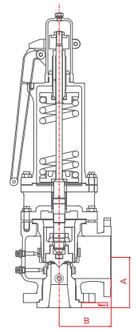
ASME SERIES



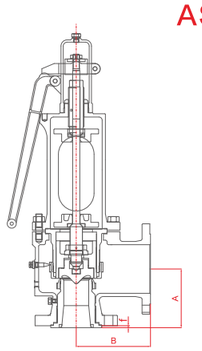
WFO Series



WFB Series



WFSH/WFGH Series



WFG Series

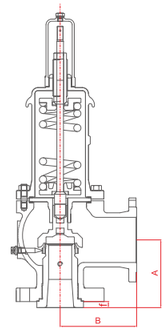
Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
3"xLx4"	150LB	150LB	156	165	20
3"xLx4"	300LB	150LB	156	165	20
3"xLx4"	300LB	300LB	156	165	20
4"xLx6"	300LB	150LB	179	181	19
4"xLx6"	300LB	300LB	179	203	19
4"xLx6"	600LB	150LB	179	203	19
4"xLx6"	900LB	150LB	197	222	17
4"xLx6"	900LB	300LB	197	222	17
4"xLx6"	1500LB	150LB	197	222	17
4"xLx6"	1500LB	300LB	197	222	17

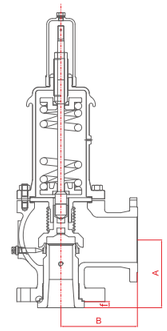
Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)							Meterials
	INLET	OUTLET		−267.8	−267.8 to −59.4	−59.4 to −28.9	−28.9 to 37.8	232.2	426.7	537.8	
3L4	150	150	15			19.7	19.7	12.8	5.5		Carbon steel C.St. WCB
3L4	300	150	30			19.7	19.7	19.7	19.7		
4L6	300	150	30			51	51	42.8	28.3		
4L6	600	150	60			69	69	69	56.9		
4L6	900	150	90			103.4	103.4	103.4	85.2		
4L6	1500	150	150			103.4	103.4	103.4	103.4		
4L6	300	150	30						35.2	14.8	Chrome−molybdenum steel alloy St. WC6
4L6	600	150	60						69	29.6	
4L6	900	150	90						103.4	44.8	
4L6	1500	150	150						103.4	74.5	
3L4	150	150	15	19	19	19	19	12.4	5.5	1.4	Austenitic stainless steel St.St. CF8M
3L4	300	150	30	19	19	19	19	19	19	19	
4L6	300	150	30	36.9	49.6	49.6	49.6	34.1	29	25.2	
4L6	600	150	60	36.9	69	69	69	68.3	58.3	50	
4L6	900	150	90	4.8	103.4	103.4	103.4	102.4	87.2	75.2	
3L4	150	150	15			15.9	15.9	12.1	5.5	3.4	Nickel−base/ copper alloy alloy St. M35−1
3L4	300	150	30			15.9	15.9	15.9	15.9	15.9	
4L6	300	150	30			41.4	41.4	32.8	31.7	19	
4L6	600	150	60			82.7	82.7	65.2	63.1	37.9	
4L6	900	150	90			124.1	124.1	97.9	94.8	56.9	
3L4	150	150	15			15.9	15.9	12.4			Alloy of number 20 alloy St. CN7M
3L4	300	150	30			15.9	15.9	12.4			
4L6	300	150	30			41.4	41.4	32.1			
4L6	600	150	60			82.7	82.7	64.1			
4L6	900	150	90			103.4	103.4	96.2			
4L6	1500	150	150			103.4	103.4	103.4			

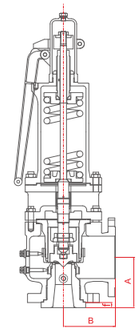
DWMC



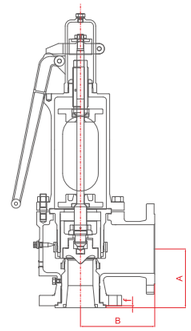
WFO Series



WFB Series



WFSH/WFGH Series



WFG Series

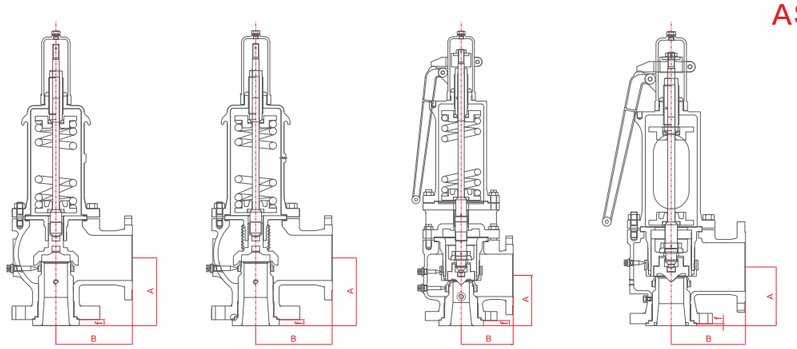
Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
4"xMx6"	150LB	150LB	178	184	18
4"xMx6"	300LB	150LB	178	184	18
4"xMx6"	300LB	300LB	178	203	18
4"xMx6"	300LB(a)	150LB	178	184	18
4"xMx6"	300LB(a)	300LB	178	203	18
4"xMx6"	600LB	150LB	178	203	18
4"xMx6"	900LB	150LB	197	222	17

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)							Meterials
	INLET	OUTLET		−267.8	−267.8到−59.4	−59.4到−28.9	−28.9到37.8	232.2	426.7	537.8	
4M6	150	150	15			19.7	19.7	12.8	5.5		Carbon steel C.St. WCB
4M6	300	150	30			19.7	19.7	19.7	19.7		
4M6	300	150	30a			51	51	42.8	28.3		
4M6	600	150	60			75.8	75.8	75.8	56.9		
4M6	900	150	90			75.8	75.8	75.8	75.8		
4M6	300	150	30						35.2	14.8	Chrome−molybdenum steel alloy St. WC6
4M6	600	150	60						69	29.6	
4M6	900	150	90						75.8	44.8	
4M6	150	150	15	19	19	19	19	12.4	5.5	1.4	Austenitic stainless steel St.St. CF8M
4M6	300	150	30	19	19	19	19	19	19	19	
4M6	300	150	30a	36.2	49.6	49.6	49.6	34.1	29	25.2	
4M6	600	150	60	41.4	75.8	75.8	75.8	68.3	58.3	50	
4M6	150	150	15			15.9	15.9	12.1	5.5	3.4	Nickel−base/ copper alloy alloy St. M35−1
4M6	300	150	30			15.9	15.9	15.9	15.9	15.9	
4M6	300	150	30a			41.4	41.4	32.8	31.7	19	
4M6	600	150	60			75.8	75.8	65.2	63.1	37.9	
4M6	900	150	90			75.8	75.8	75.8	75.8	56.9	
4M6	150	150	15			15.9	15.9	12.4			Alloy of number 20 alloy St. CN7M
4M6	300	150	30			15.9	15.9	12.4			
4M6	300	150	30a			41.4	41.4	32.1			
4M6	600	150	60			75.8	75.8	64.1			
4M6	900	150	90			75.8	75.8	75.8			

ASME SERIES



WFO Series　WFB Series　WFSH/WFGH Series　WFG Series

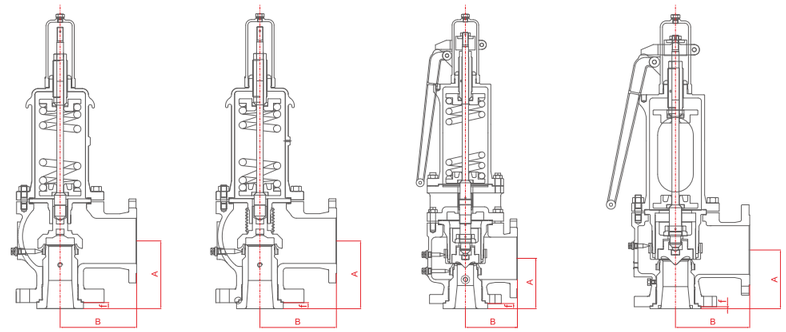
Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
4"xNx6"	150LB	150LB	197	210	22
4"xNx6"	300LB	150LB	197	210	22
4"xNx6"	300LB	300LB	197	210	22
4"xNx6"	300LB(a)	150LB	197	210	22
4"xNx6"	300LB(a)	300LB	197	210	22
4"xNx6"	600LB	150LB	197	222	22
4"xNx6"	600LB	300LB	197	222	22
4"xNx6"	900LB	150LB	197	222	17

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.								Meterials
	INLET	OUTLET		−267.8	−267.8 to −59.4	−59.4 to −28.9	−28.9 to 37.8	232.2	426.7	537.8	
4N6	150	150	15			19.7	19.7	12.8	5.5		Carbon steel C.St. WCB
4N6	300	150	30			19.7	19.7	19.7	19.7		
4N6	300	150	30a			51	51	42.8	28.3		
4N6	600	150	60			69	69	69	56.9		
4N6	900	150	90			69	69	69	69		
4N6	300	150	30						35.2	14.8	Chrome−molybdenum steelalloy St. WC6
4N6	600	150	60						69	29.6	
4N6	900	150	90						69	44.8	
4N6	150	150	15	19	19	19	19	12.4	5.5	1.4	Austenitic stainless stee St.St.CF8M
4N6	300	150	30	19	19	19	19	19	19	19	
4N6	300	150	30a	31	49.6	49.6	49.6	34.1	29	25.2	
4N6	600	150	60	34.5	69	69	69	68.3	58.3	50	
4N6	150	150	15			15.9	15.9	12.1	5.5	3.4	Nickel−base/ copper alloy alloy St. M35−1
4N6	300	150	30			15.9	15.9	15.9	15.9	15.9	
4N6	300	150	30a			41.4	41.4	32.8	31.7	19	
4N6	600	150	60			69	69	65.2	63.1	37.9	
4N6	900	150	90			69	69	69	69	56.9	
4N6	150	150	15			15.9	15.9	12.4			Alloy of number 20 alloy St. CN7M
4N6	300	150	30			15.9	15.9	12.4			
4N6	300	150	30a			41.4	41.4	33.4			
4N6	600	150	60			69	69	64.1			
4N6	900	150	90			69	69	69			

DWMC



WFO Series　WFB Series　WFSH/WFGH Series　WFG Series

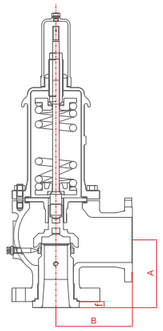
Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
4"xPx6"	150LB	150LB	181	229	6
4"xPx6"	300LB	150LB	181	229	6
4"xPx6"	300LB	300LB	181	229	6
4"xPx6"	300LB(a)	150LB	225	254	20
4"xPx6"	300LB(a)	300LB	225	254	20
4"xPx6"	600	150LB	225	254	20
4"xPx6"	600	300LB	225	254	20
4"xPx6"	900	150LB	225	254	20
4"xPx6"	900	300LB	225	254	20

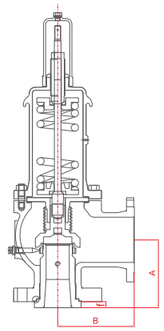
Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.								Meterials
	INLET	OUTLET		−267.8	−267.8 to −59.4	−59.4 to −28.9	−28.9 to 37.8	232.2	426.7	537.8	
4P6	150	150	15			19.7	19.7	12.8	5.5		Carbon steel C.St. WCB
4P6	300	150	30			19.7	19.7	19.7	19.7		
4P6	300	150	30a			36.2	36.2	36.2	28.3		
4P6	600	150	60			69	69	69	56.9		
4P6	900	150	90			69	69	69	69		
4P6	300	150	30						35.2	14.8	Chrome−molybdenum steelalloy St. WC6
4P6	600	150	60						69	29.6	
4P6	900	150	90						69	44.8	
4P6	150	150	15	12.1	19	19	19	12.4	5.5	1.4	Austenitic stainless steel St.St.CF8M
4P6	300	150	30	12.1	19	19	19	19	19	19	
4P6	300	150	30a	20.7	36.2	36.2	36.2	34.1	29	25.2	
4P6	600	150	60	33.1	69	69	69	68.3	58.3	50	
4P6	150	150	15			15.9	15.9	12.1	5.5	3.4	Nickel−base/ copper alloy alloy St. M35−1
4P6	300	150	30			15.9	15.9	15.9	15.9	15.9	
4P6	300	150	30a			36.2	36.2	32.8	31.7	19	
4P6	600	150	60			69	69	65.2	63.1	37.9	
4P6	900	150	90			69	69	69	69	56.9	
4P6	150	150	15			15.9	15.9	12.4			Alloy of number 20 alloy St. CN7M
4P6	300	150	30			15.9	15.9	12.4			
4P6	300	150	30a			36.2	36.2	32.1			
4P6	600	150	60			69	69	64.1			
4P6	900	150	90			69	69	69			

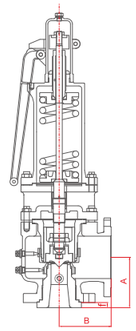
ASME SERIES



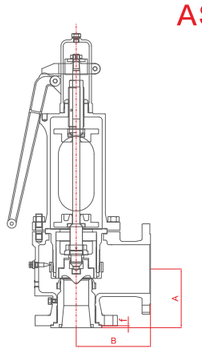
WFO Series



WFB Series



WFSH/WFGH Series



WFG Series

Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
6"xQx8"	150LB	150LB	240	241	14
6"xQx8"	300LB	150LB	240	241	14
6"xQx8"	300LB	300LB	240	241	14
6"xQx8"	300LB(a)	150LB	240	241	14
6"xQx8"	300LB(a)	300LB	240	241	14
6"xQx8"	600LB	150LB	240	241	14
6"xQx8"	600LB	300LB	240	241	14
6"xQx8"	900LB	150LB	240	241	14
6"xQx8"	900LB	300LB	285	280	25

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)							Meterials
	INLET	OUTLET		−267.8	−267.8 to −59.4	−59.4 to −28.9	−28.9 to 37.8	232.2	426.7	537.8	
6Q8	150	150	15			11.4	11.4	11.4	5.5		Carbon steel C.St.WCB
6Q8	300	150	30			11.4	11.4	11.4	11.4		
6Q8	300	150	30a			20.7	20.7	20.7	20.7		
6Q8	600	150	60			41.4	41.4	41.4	41.4		
6Q8	300	150	30a						11.4	11.4	Chrome−molybdenum steelalloy St. WC6
6Q8	600	150	60						41.4	29.6	
6Q8	150	150	15	11.4	11.4	11.4	11.4	11.4	5.5	1.4	Austenitic stainless steel St.St.CF8M
6Q8	300	150	30	11.4	11.4	11.4	11.4	11.4	11.4	11.4	
6Q8	300	150	30a	17.2	20.7	20.7	20.7	20.7	20.7	20.7	
6Q8	600	150	60	20.7	41.4	41.4	41.4	41.4	41.4	41.4	
6Q8	150	150	15			11.4	11.4	11.4	5.5	3.4	Nickel−base/ copper alloy St.M35−1
6Q8	300	150	30			11.4	11.4	11.4	11.4	9.7	
6Q8	300	150	30a			20.7	20.7	20.7	20.7	19	
6Q8	600	150	60			41.4	41.4	41.4	41.4	37.9	
6Q8	150	150	15			11.4	11.4	11.4			Alloy of number 20 alloy St.CN7M
6Q8	300	150	30			11.4	11.4	11.4			
6Q8	300	150	30a			20.7	20.7	20.7			
6Q8	600	150	60			41.4	41.4	41.4			

DWMC

Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
6"xRx8"	150LB	150LB	240	241	14
6"xRx8"	300LB	150LB	240	241	14
6"xRx8"	300LB	300LB	240	241	14
6"xRx10"	300LB	150LB	240	267	14
6"xRx10"	600LB	150LB	240	267	14
6"xRx10"	600LB	300LB	240	267	14
6"xRx10"	600LB(a)	150LB	240	267	14

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)							Meterials
	INLET	OUTLET		−267.8	−267.8 to −59.4	−59.4 to −28.9	−28.9 to 37.8	232.2	426.7	537.8	
6R8	150	150	15			6.9	6.9	6.9	5.5		Carbon steel C.St.WCB
6R8	300	150	30			6.9	6.9	6.9	6.9		
6R10	300	150	30			15.9	15.9	15.9	15.9		
6R10	600	150	60			20.7	20.7	20.7	20.7		
6R8	300	150	30						6.9	6.9	Chrome−molybdenum steelalloy St. WC6
6R10	600	150	60						20.7	20.7	
6R8	150	150	15	3.8	6.9	6.9	6.9	6.9	5.5	1.4	Austenitic stainless steel St.St.CF8M
6R8	300	150	30	3.8	6.9	6.9	6.9	6.9	6.9	6.9	
6R10	300	150	30	10.3	15.9	15.9	15.9	15.9	15.9	15.9	
6R10	600	150	60	13.8	20.7	20.7	20.7	20.7	20.7	20.7	
6R8	150	150	15			6.9	6.9	6.9	5.5		Nickel−base/ copper alloy St.M35−1
6R8	300	150	30			6.9	6.9	6.9	6.9		
6R10	300	150	30			15.9	15.9	15.9	15.9		
6R10	600	150	60			20.7	20.7	20.7	20.7		
6R8	150	150	15			6.9	6.9	6.9			Alloy of number 20 alloy St.CN7M
6R8	300	150	30			6.9	6.9	6.9			
6R10	300	150	30			15.9	15.9	15.9			
6R10	600	150	60			20.7	20.7	20.7			

Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
8"xTx10"	150LB	150LB	276	279	16
8"xTx10"	300LB	150LB	276	279	16
8"xTx10"	300LB(a)	150LB	276	279	16
8"xTx10"	300LB(a)	300LB	276	279	16
8"xTx10"	300LB(b)	150LB	276	279	16
8"xTx10"	300LB(b)	300LB	276	279	16
8"xTx10"	600LB	150LB	276	279	16
8"xTx10"	600LB(a)	150LB	276	279	16

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)							Meterials
	INLET	OUTLET		−267.8	−267.8 to −59.4	−59.4 to −28.9	−28.9 to 37.8	232.2	426.7	537.8	
8T10	150	150	15			4.5	4.5	4.5	4.5		Carbon steel C.St.WCB
8T10	300	150	30			4.5	4.5	4.5	4.5		
8T10	300	150	30a			8.3	8.3	8.3	8.3		
8T10	300	150	30b			20.7	20.7	20.7	20.7		
8T10	300	150	30						8.3	6.9	Chrome−molybdenum steelalloy St. WC6
8T10	300	150	30a						20.7	14.8	
8T10	150	150	15	3.4	4.5	4.5	4.5	4.5	4.5	1.4	Austenitic stainless steel St.St.CF8M
8T10	300	150	30	3.4	4.5	4.5	4.5	4.5	4.5	4.5	
8T10	300	150	30a	4.5	8.3	8.3	8.3	8.3	8.3	8.3	
8T10	150	150	15			4.5	4.5	4.5	4.5	3.4	Nickel−base/ copper alloy St.M35−1
8T10	300	150	30			4.5	4.5	4.5	4.5	4.5	
8T10	300	150	30a			8.3	8.3	8.3	8.3	8.3	
8T10	150	150	15		4.5	4.5	4.5				Alloy of number 20 alloy St.CN7M
8T10	300	150	30		4.5	4.5	4.5				
8T10	300	150	30a		8.3	8.3	8.3				

Product list

WFTD SERIES:
MODULATE PILOT SAFETY VALVE

Use Precautions :
Suitable for power furnace, cracking furnace, DC protection, reheater and other equipment pipeline for overpressure protection

Characteristic:
Flanged joint/Welded link
Full nozzle /Elastic disc design
Reseating pressure can be adjusted
Back pressure sleeves adjust the return pressure to achieve a minimum open-close pressure differential
High performance high temperature material for the elastic disc material to ensure high temperature sealing

WFJY SERIES:
LOW PRESSURE PILOT SAFETY VALVE

Use Precautions :
Suitable for high sealing requirements and export has a large additional back pressure, mostly used in gaseous medium, compressible / incompressible / mixed phase medium

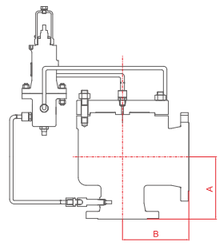
Characteristic:
Use diaphragm seal, suitable for low opening pressure (generally less than 0.1MPa.G)

WFXD SERIES:
JUMP PILOT OPERATED SAFETY VALVE

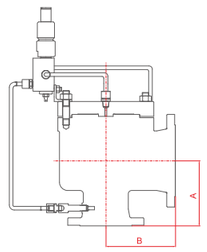
Use Precautions :
Suitable for large caliber, high opening pressure, high sealing requirements and export has a large discharge pressure, mostly used in gaseous media.

Characteristic:
Flanged joint
Valve seat design is soft seal, metal seal

DWMC



WFTD Series



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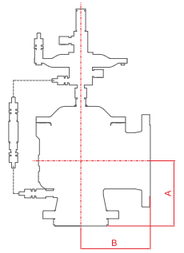


WFJY Series

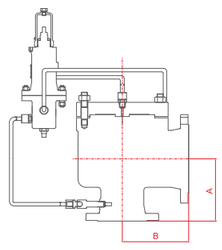
Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B
3/4"xDx1"	150LB	150LB	100	100	1"xDx1"	150LB	150LB	100	100	1-1/2"xDx2"	150LB	150LB	124	121
3/4"xDx1"	300LB	150LB	100	100	1"xDx1"	300LB	150LB	100	100	1-1/2"xDx2"	300LB	150LB	124	121
3/4"xDx1"	300LB	300LB	100	100	1"xDx1"	300LB	300LB	100	100	1-1/2"xDx2"	600LB	150LB	124	121
3/4"xDx1"	600LB	150LB	100	100	1"xDx1"	600LB	150LB	100	100	1-1/2"xDx2"	900LB	300LB	149	140
3/4"xDx1"	900LB	150LB	100	100	1"xDx1"	900LB	150LB	100	100	1-1/2"xDx2"	1500LB	300LB	149	140
					1"xDx2"	150LB	150LB	105	114	1-1/2"xDx2"	2500LB	300LB	149	140
					1"xDx2"	300LB	150LB	111	114					
					1"xDx2"	600LB	150LB	111	114					
					1"xDx2"	900LB	300LB	125	121					
					1"xDx2"	1500LB	300LB	125	121					
					1"xDx2"	2500LB	300LB	125	121					

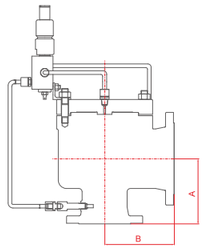
Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)				Meterials
	INLET	OUTLET		-267.8	-267.8 to -28.9	-28.9 to -37.8	260	
1D2	150	150	15		19.7	19.7	11.7	Carbon steel C.St. WCB
1D2	300	150	30		51	51	41.7	
1D2	600	150	60		102	102	83.1	
1D2	900	300	90		153.1	153.1	124.8	
1D2	1500	300	150		255.5	255.5	207.9	
1D2	2500	300	250		425.4	425.4	346.6	
1-1/2D2	150	150	15		19.7	19.7	11.7	
1-1/2D2	300	150	30		51	51	41.7	
1-1/2D2	600	150	60		102	102	83.1	
1-1/2D2	900	300	90		153.1	153.1	124.8	
1-1/2D2	1500	300	150		255.5	255.5	207.9	
1-1/2D2	2500	300	250		425.4	425.4	346.6	
1D2	150	150	15	19	19	19	11.7	Austenitic stainless steel St.St. CF8M
1D2	300	150	30	49.6	49.6	49.6	33.1	
1D2	600	150	60	99.3	99.3	99.3	65.8	
1D2	900	300	90	148.9	148.9	148.9	98.9	
1D2	1500	300	150	248.2	248.2	248.2	164.8	
1D2	2500	300	250	413.7	413.7	413.7	274.4	
1-1/2D2	150	150	15	19	19	19	11.7	
1-1/2D2	300	150	30	49.6	49.6	49.6	33.1	
1-1/2D2	600	150	60	99.3	99.3	99.3	65.8	
1-1/2D2	900	300	90	148.9	148.9	148.9	98.9	
1-1/2D2	1500	300	150	248.2	248.2	248.2	164.8	
1-1/2D2	2500	300	250	413.7	413.7	413.7	274.4	
1D2	150	150	15		15.9	15.9	11.7	Nickel-base/ copper alloy alloy St. M35-1
1D2	300	150	30		41.4	41.4	32.8	
1D2	600	150	60		82.8	82.8	65.2	
1D2	900	300	90		124.1	124.1	97.9	
1-1/2D2	150	150	15		15.9	15.9	11.7	
1-1/2D2	300	150	30		41.4	41.4	32.8	
1-1/2D2	600	150	60		82.8	82.8	65.2	
1-1/2D2	900	300	90		124.1	124.1	97.9	
1D2	150	150	15		15.9	15.9	12.4	Alloy of number 20 alloy St. CN7M
1D2	300	150	30		41.4	41.4	32.1	
1D2	600	150	60		82.7	82.7	64.1	
1D2	900	300	90		124.1	124.1	96.2	
1D2	1500	300	150		206.9	206.9	160.7	
1D2	2500	300	250		344.8	344.8	267.5	
1-1/2D2	150	150	15		15.9	15.9	12.4	
1-1/2D2	300	150	30		41.4	41.4	32.1	
1-1/2D2	600	150	60		82.7	82.7	64.1	
1-1/2D2	900	300	90		124.1	124.1	96.2	
1-1/2D2	1500	300	150		206.9	206.9	160.7	
1-1/2D2	2500	300	250		344.8	344.8	267.5	

ASME SERIES



WFTD Series



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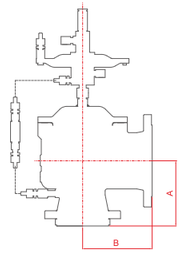


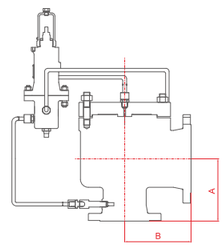
WFJY Series

Size of Flange Construction

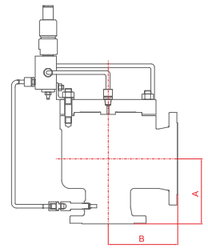
Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B
3/4"xEx1"	150LB	150LB	100	100	1"xEx1"	150LB	150LB	100	100	1-1/2"xEx2"	150LB	150LB	124	121
3/4"xEx1"	300LB	150LB	100	100	1"xEx1"	300LB	150LB	100	100	1-1/2"xEx2"	300LB	150LB	124	121
3/4"xEx1"	300LB	300LB	100	100	1"xEx1"	300LB	300LB	100	100	1-1/2"xEx2"	600LB	150LB	124	121
3/4"xEx1"	600LB	150LB	100	100	1"xEx1"	600LB	150LB	100	100	1-1/2"xEx2"	900LB	300LB	149	140
3/4"xEx1"	900LB	150LB	100	100	1"xEx1"	900LB	150LB	100	100	1-1/2"xEx2"	1500LB	300LB	149	140
					1"xEx2"	150LB	150LB	105	115	1-1/2"xEx2"	2500LB	300LB	149	140
					1"xEx2"	300LB	150LB	111	114					
					1"xEx2"	600LB	150LB	111	114					
					1"xEx2"	900LB	300LB	125	121					
					1"xEx2"	1500LB	300LB	125	121					
					1"xEx2"	2500LB	300LB	125	121					

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)				Meterials
	INLET	OUTLET		-267.8	-267.8 to -28.9	-28.9 to -37.8	260	
1E2	150	150	15		19.7	19.7	11.7	Carbon steel C.St. WCB
1E2	300	150	30		51	51	41.7	
1E2	600	150	60		102	102	83.1	
1E2	900	300	90		153.1	153.1	124.8	
1E2	1500	300	150		255.5	255.5	207.9	
1E2	2500	300	250		425.4	425.4	346.6	
1-1/2E2	150	150	15		19.7	19.7	11.7	
1-1/2E2	300	150	30		51	51	41.7	
1-1/2E2	600	150	60		102	102	83.1	
1-1/2E2	900	300	90		153.1	153.1	124.8	
1-1/2E2	1500	300	150		255.5	255.5	207.9	
1-1/2E2	2500	300	250		425.4	425.4	346.6	
1E2	150	150	15	19	19	19	11.7	Austenitic stainless steel St.St. CF8M
1E2	300	150	30	49.6	49.6	49.6	33.1	
1E2	600	150	60	99.3	99.3	99.3	65.8	
1E2	900	300	90	148.9	148.9	148.9	98.9	
1E2	1500	300	150	248.2	248.2	248.2	164.8	
1E2	2500	300	250	413.7	413.7	413.7	274.4	
1-1/2E2	150	150	15	19	19	19	11.7	
1-1/2E2	300	150	30	49.6	49.6	49.6	33.1	
1-1/2E2	600	150	60	99.3	99.3	99.3	65.8	
1-1/2E2	900	300	90	148.9	148.9	148.9	98.9	
1-1/2E2	1500	300	150	248.2	248.2	248.2	164.8	
1-1/2E2	2500	300	250	413.7	413.7	413.7	274.4	
1E2	150	150	15		15.9	15.9	11.7	Nickel-base/ copper alloy alloy St. M35-1
1E2	300	150	30		41.4	41.4	32.8	
1E2	600	150	60		82.8	82.8	65.2	
1E2	900	300	90		124.1	124.1	97.9	
1-1/2E2	150	150	15		15.9	15.9	11.7	
1-1/2E2	300	150	30		41.4	41.4	32.8	
1-1/2E2	600	150	60		82.8	82.8	65.2	
1-1/2E2	900	300	90		124.1	124.1	97.9	
1E2	150	150	15		15.9	15.9	12.4	Alloy of number 20 alloy St. CN7M
1E2	300	150	30		41.4	41.4	32.1	
1E2	600	150	60		82.7	82.7	64.1	
1E2	900	300	90		124.1	124.1	96.2	
1E2	1500	300	150		206.9	206.9	160.7	
1E2	2500	300	250		344.8	344.8	267.5	
1-1/2E2	150	150	15		15.9	15.9	12.4	
1-1/2E2	300	150	30		41.4	41.4	32.1	
1-1/2E2	600	150	60		82.7	82.7	64.1	
1-1/2E2	900	300	90		124.1	124.1	96.2	
1-1/2E2	1500	300	150		206.9	206.9	160.7	
1-1/2E2	2500	300	250		344.8	344.8	267.5	



WFTD Series



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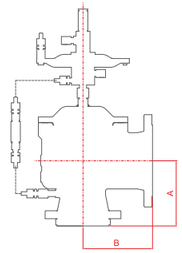


WFJY Series

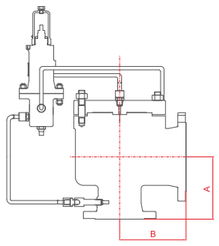
Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B
1"xFx2"	150LB	150LB	105	115
1"xFx2"	300LB	150LB	111	114
1"xFx2"	600LB	150LB	111	114
1"xFx2"	900LB	300LB	125	121
1"xFx2"	1500LB	300LB	125	121
1"xFx2"	2500LB	300LB	125	121
1-1/2"xFx2"	150LB	150LB	124	121
1-1/2"xFx2"	300LB	150LB	124	121
1-1/2"xFx2"	600LB	150LB	124	121
1-1/2"xFx2"	900LB	300LB	149	140
1-1/2"xFx2"	1500LB	300LB	149	140
1-1/2"xFx2"	2500LB	300LB	149	140

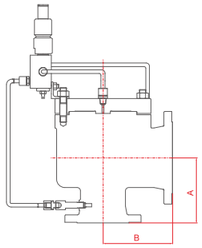
Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)				Meterials
	INLET	OUTLET		-267.8	-267.8 to -28.9	-28.9 to -37.8	260	
1F2	150	150	15		19.7	19.7	11.7	Carbon steel C.St. WCB
1F2	300	150	30		51	51	41.7	
1F2	600	150	60		102	102	83.1	
1F2	900	300	90		153.1	153.1	124.8	
1F2	1500	300	150		255.5	255.5	207.9	
1F2	2500	300	250		425.4	425.4	346.6	
1-1/2F2	150	150	15		19.7	19.7	11.7	
1-1/2F2	300	150	30		51	51	41.7	
1-1/2F2	600	150	60		102	102	83.1	
1-1/2F2	900	300	90		153.1	153.1	124.8	
1-1/2F2	1500	300	150		255.5	255.5	207.9	
1-1/2F2	2500	300	250		425.4	425.4	346.6	
1F2	150	150	15	19	19	19	11.7	Austenitic stainless steel St.St. CF8M
1F2	300	150	30	49.6	49.6	49.6	33.1	
1F2	600	150	60	99.3	99.3	99.3	65.8	
1F2	900	300	90	148.9	148.9	148.9	98.9	
1F2	1500	300	150	248.2	248.2	248.2	164.8	
1F2	2500	300	250	413.7	413.7	413.7	274.4	
1-1/2F2	150	150	15	19	19	19	11.7	
1-1/2F2	300	150	30	49.6	49.6	49.6	33.1	
1-1/2F2	600	150	60	99.3	99.3	99.3	65.8	
1-1/2F2	900	300	90	148.9	148.9	148.9	98.9	
1-1/2F2	1500	300	150	248.2	248.2	248.2	164.8	
1-1/2F2	2500	300	250	413.7	413.7	413.7	274.4	
1F2	150	150	15		15.9	15.9	11.7	Nickel-base/ copper alloy alloy St. M35-1
1F2	300	150	30		41.4	41.4	32.8	
1F2	600	150	60		82.8	82.8	65.2	
1F2	900	300	90		124.1	124.1	97.9	
1-1/2F2	150	150	15		15.9	15.9	11.7	
1-1/2F2	300	150	30		41.4	41.4	32.8	
1-1/2F2	600	150	60		82.8	82.8	65.2	
1-1/2F2	900	300	90		124.1	124.1	97.9	
1F2	150	150	15		15.9	15.9	12.4	Alloy of number 20 alloy St. CN7M
1F2	300	150	30		41.4	41.4	32.1	
1F2	600	150	60		82.7	82.7	64.1	
1F2	900	300	90		124.1	124.1	96.2	
1F2	1500	300	150		206.9	206.9	160.7	
1F2	2500	300	250		344.8	344.8	267.5	
1-1/2F2	150	150	15		15.9	15.9	12.4	
1-1/2F2	300	150	30		41.4	41.4	32.1	
1-1/2F2	600	150	60		82.7	82.7	64.1	
1-1/2F2	900	300	90		124.1	124.1	96.2	
1-1/2F2	1500	300	150		206.9	206.9	160.7	
1-1/2F2	2500	300	250		344.8	344.8	267.5	

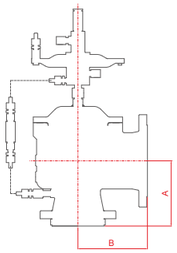
ASME SERIES



WFTD Series



WFXD Series



WFJY Series

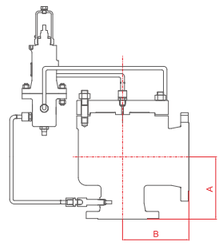
Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B
1-1/2"xGx3"	150LB	150LB	130	124
1-1/2"xGx3"	300LB	150LB	130	124
1-1/2"xGx3"	600LB	150LB	130	124
1-1/2"xGx3"	900LB	300LB	162	171
1-1/2"xGx3"	1500LB	300LB	162	171
1-1/2"xGx3"	2500LB	300LB	162	171
2"xGx3"	150LB	150LB	137	124
2"xGx3"	300LB	150LB	137	124
2"xGx3"	600LB	150LB	137	124
2"xGx3"	900LB	300LB	167	171
2"xGx3"	1500LB	300LB	167	171
2"xGx3"	2500LB	300LB	178	171

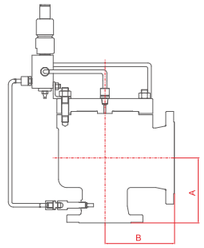
Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)				Meterials
	INLET	OUTLET		-267.8	-267.8 to -28.9	-28.9 to -37.8	260	
1-1/2G3	150	150	15		19.7	19.7	11.7	Carbon steel C.St. WCB
1-1/2G3	300	150	30		51	51	41.7	
1-1/2G3	600	150	60		102	102	83.1	
1-1/2G3	900	300	90		153.1	153.1	124.8	
1-1/2G3	1500	300	150		255.5	255.5	207.9	
1-1/2G3	2500	300	250		425.4	425.4	346.6	
2G3	150	150	15		19.7	19.7	11.7	
2G3	300	150	30		51	51	41.7	
2G3	600	150	60		102	102	83.1	
2G3	900	300	90		153.1	153.1	124.8	
2G3	1500	300	150		255.5	255.5	207.9	
2G3	2500	300	250		425.4	425.4	346.6	
1-1/2G3	150	150	15	19	19	19	11.7	Austenitic stainless steel St.St. CF8M
1-1/2G3	300	150	30	49.6	49.6	49.6	33.1	
1-1/2G3	600	150	60	99.3	99.3	99.3	65.8	
1-1/2G3	900	300	90	148.9	148.9	148.9	98.9	
1-1/2G3	1500	300	150	248.2	248.2	248.2	164.8	
1-1/2G3	2500	300	250	413.7	413.7	413.7	274.4	
2G3	150	150	15	19	19	19	11.7	
2G3	300	150	30	49.6	49.6	49.6	33.1	
2G3	600	150	60	99.3	99.3	99.3	65.8	
2G3	900	300	90	148.9	148.9	148.9	98.9	
2G3	1500	300	150	248.2	248.2	248.2	164.8	
2G3	2500	300	250	413.7	413.7	413.7	274.4	
1-1/2G3	150	150	15		15.9	15.9	11.7	Nickel-base/ copper alloy alloy St. M35-1
1-1/2G3	300	150	30		41.4	41.4	32.8	
1-1/2G3	600	150	60		82.8	82.8	65.2	
1-1/2G3	900	300	90		124.1	124.1	97.9	
2G3	150	150	15		15.9	15.9	11.7	
2G3	300	150	30		41.4	41.4	32.8	
2G3	600	150	60		82.8	82.8	65.2	
2G3	900	300	90		124.1	124.1	97.9	
1-1/2G3	150	150	15		15.9	15.9	12.4	Alloy of number 20 alloy St. CN7M
1-1/2G3	300	150	30		41.4	41.4	32.1	
1-1/2G3	600	150	60		82.7	82.7	64.1	
1-1/2G3	900	300	90		124.1	124.1	96.2	
1-1/2G3	1500	300	150		206.9	206.9	160.7	
1-1/2G3	2500	300	250		344.8	344.8	267.5	
2G3	150	150	15		15.9	15.9	12.4	
2G3	300	150	30		41.4	41.4	32.1	
2G3	600	150	60		82.7	82.7	64.1	
2G3	900	300	90		124.1	124.1	96.2	
2G3	1500	300	150		206.9	206.9	160.7	
2G3	2500	300	250		344.8	344.8	267.5	

DWMC



WFTD Series



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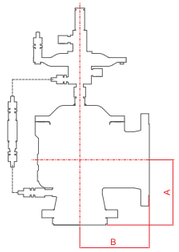


WFJY Series

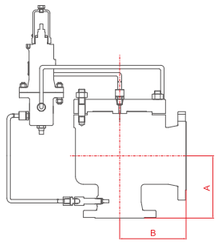
Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B
1-1/2"xHx3"	150LB	150LB	130	124
1-1/2"xHx3"	300LB	150LB	130	124
1-1/2"xHx3"	600LB	150LB	130	124
1-1/2"xHx3"	900LB	300LB	162	171
1-1/2"xHx3"	1500LB	300LB	162	171
1-1/2"xHx3"	2500LB	300LB	162	171
2"xHx3"	150LB	150LB	137	124
2"xHx3"	300LB	150LB	137	124
2"xHx3"	600LB	150LB	137	124
2"xHx3"	900LB	300LB	167	171
2"xHx3"	1500LB	300LB	167	171
2"xHx3"	2500LB	300LB	178	171

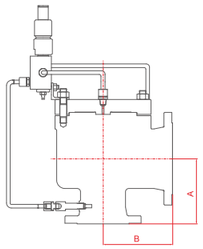
Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)				Meterials
	INLET	OUTLET		-267.8	-267.8 to -28.9	-28.9 to -37.8	260	
1-1/2H3	150	150	15		19.7	19.7	11.7	Carbon steel C.St. WCB
1-1/2H3	300	150	30		51	51	41.7	
1-1/2H3	600	150	60		102	102	83.1	
1-1/2H3	900	300	90		153.1	153.1	124.8	
1-1/2H3	1500	300	150		255.5	255.5	207.9	
1-1/2H3	2500	300	250		425.4	425.4	346.6	
2H3	150	150	15		19.7	19.7	11.7	
2H3	300	150	30		51	51	41.7	
2H3	600	150	60		102	102	83.1	
2H3	900	300	90		153.1	153.1	124.8	
2H3	1500	300	150		255.5	255.5	207.9	
2H3	2500	300	250		425.4	425.4	346.6	
1-1/2H3	150	150	15	19	19	19	11.7	Austenitic stainless steel St.St. CF8M
1-1/2H3	300	150	30	49.6	49.6	49.6	33.1	
1-1/2H3	600	150	60	99.3	99.3	99.3	65.8	
1-1/2H3	900	300	90	148.9	148.9	148.9	98.9	
1-1/2H3	1500	300	150	248.2	248.2	248.2	164.8	
1-1/2H3	2500	300	250	413.7	413.7	413.7	274.4	
2H3	150	150	15	19	19	19	11.7	
2H3	300	150	30	49.6	49.6	49.6	33.1	
2H3	600	150	60	99.3	99.3	99.3	65.8	
2H3	900	300	90	148.9	148.9	148.9	98.9	
2H3	1500	300	150	248.2	248.2	248.2	164.8	
2H3	2500	300	250	413.7	413.7	413.7	274.4	
1-1/2H3	150	150	15		15.9	15.9	11.7	Nickel-base/ copper alloy alloy St. M35-1
1-1/2H3	300	150	30		41.4	41.4	32.8	
1-1/2H3	600	150	60		82.8	82.8	65.2	
1-1/2H3	900	300	90		124.1	124.1	97.9	
2H3	150	150	15		15.9	15.9	11.7	
2H3	300	150	30		41.4	41.4	32.8	
2H3	600	150	60		82.8	82.8	65.2	
2H3	900	300	90		124.1	124.1	97.9	
1-1/2H3	150	150	15		15.9	15.9	12.4	Alloy of number 20 alloy St. CN7M
1-1/2H3	300	150	30		41.4	41.4	32.1	
1-1/2H3	600	150	60		82.7	82.7	64.1	
1-1/2H3	900	300	90		124.1	124.1	96.2	
1-1/2H3	1500	300	150		206.9	206.9	160.7	
1-1/2H3	2500	300	250		344.8	344.8	267.5	
2H3	150	150	15		15.9	15.9	12.4	
2H3	300	150	30		41.4	41.4	32.1	
2H3	600	150	60		82.7	82.7	64.1	
2H3	900	300	90		124.1	124.1	96.2	
2H3	1500	300	150		206.9	206.9	160.7	
2H3	2500	300	250		344.8	344.8	267.5	

ASME SERIES



WFTD Series



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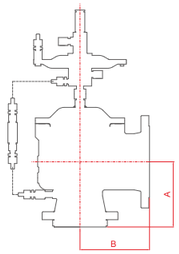


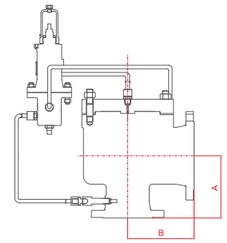
WFJY Series

Size of Flange Construction

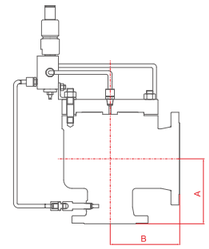
Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B
2"xJx3"	150LB	150LB	137	124
2"xJx3"	300LB	150LB	137	124
2"xJx3"	600LB	150LB	137	124
2"xJx3"	900LB	300LB	167	171
2"xJx3"	1500LB	300LB	167	171
2"xJx3"	2500LB	300LB	178	171
3"xJx4"	150LB	150LB	156	162
3"xJx4"	300LB	150LB	156	162
3"xJx4"	600LB	150LB	162	162
3"xJx4"	900LB	300LB	191	181
3"xJx4"	1500LB	300LB	191	181

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)				Meterials
	INLET	OUTLET		-267.8	-267.8 to -28.9	-28.9 to -37.8	260	
2J3	150	150	15		19.7	19.7	11.7	Carbon steel C.St. WCB
2J3	300	150	30		51	51	41.7	
2J3	600	150	60		102	102	83.1	
2J3	900	300	90		153.1	153.1	124.8	
2J3	1500	300	150		255.5	255.5	207.9	
2J3	2500	300	250		318.6	318.6	318.6	
3J4	150	150	15		19.7	19.7	11.7	
3J4	300	150	30		51	51	41.7	
3J4	600	150	60		102	102	83.1	
3J4	900	300	90		153.1	153.1	124.8	
3J4	1500	300	150		255.5	255.5	207.9	
2J3	150	150	15	19	19	19	11.7	Austenitic stainless steel St.St. CF8M
2J3	300	150	30	49.6	49.6	49.6	33.1	
2J3	600	150	60	99.3	99.3	99.3	65.8	
2J3	900	300	90	148.9	148.9	148.9	98.9	
2J3	1500	300	150	248.2	248.2	248.2	164.8	
2J3	2500	300	250	310	310	310	274.5	
3J4	150	150	15	19	19	19	11.7	
3J4	300	150	30	49.6	49.6	49.6	33.1	
3J4	600	150	60	99.3	99.3	99.3	65.8	
3J4	900	300	90	148.9	148.9	148.9	98.9	
3J4	1500	300	150	248.2	248.2	248.2	164.8	
2J3	150	150	15		15.9	15.9	11.7	Nickel-base/ copper alloy alloy St. M35-1
2J3	300	150	30		41.4	41.4	32.8	
2J3	600	150	60		82.8	82.8	65.2	
2J3	900	300	90		124.1	124.1	97.9	
3J4	150	150	15		15.9	15.9	11.7	
3J4	300	150	30		41.4	41.4	32.8	
3J4	600	150	60		82.8	82.8	65.2	
3J4	900	300	90		124.1	124.1	97.9	
2J3	150	150	15		15.9	15.9	12.4	Alloy of number 20 alloy St. CN7M
2J3	300	150	30		41.4	41.4	32.1	
2J3	600	150	60		82.7	82.7	64.1	
2J3	900	300	90		124.1	124.1	96.2	
2J3	1500	300	150		206.9	206.9	160.7	
2J3	2500	300	250		258.6	258.6	258.6	
3J4	150	150	15		15.9	15.9	12.4	
3J4	300	150	30		41.4	41.4	32.1	
3J4	600	150	60		82.7	82.7	64.1	
3J4	900	300	90		124.1	124.1	96.2	
3J4	1500	300	150		206.9	206.9	160.7	



WFTD Series



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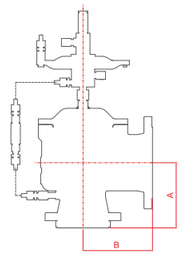


WFJY Series

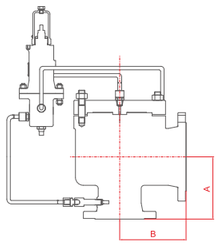
Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B
3"xKx4"	150LB	150LB	156	162
3"xKx4"	300LB	150LB	156	162
3"xKx4"	600LB	150LB	162	162
3"xKx4"	900LB	300LB	191	181
3"xKx4"	1500LB	300LB	191	181

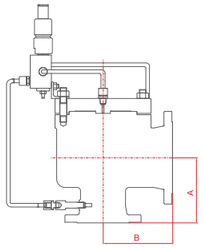
Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)				Meterials
	INLET	OUTLET		-267.8	-267.8 to -28.9	-28.9 to -37.8	260	
3K4	150	150	15		19.7	19.7	11.7	Carbon steel C.St. WCB
3K4	300	150	30		51	51	41.7	
3K4	600	150	60		102	102	83.1	
3K4	900	300	90		153.1	153.1	124.8	
3K4	1500	300	150		255.5	255.5	207.9	
3K4	150	150	15	19	19	19	11.7	Austenitic stainless steel St.St. CF8M
3K4	300	150	30	49.6	49.6	49.6	33.1	
3K4	600	150	60	99.3	99.3	99.3	65.8	
3K4	900	300	90	148.9	148.9	148.9	98.9	
3K4	1500	300	150	248.2	248.2	248.2	164.8	
3K4	150	150	15		15.9	15.9	11.7	Nickel-base/ copper alloy alloy St. M35-1
3K4	300	150	30		41.4	41.4	32.8	
3K4	600	150	60		82.8	82.8	65.2	
3K4	900	300	90		124.1	124.1	97.9	
3K4	150	150	15		15.9	15.9	12.4	Alloy of number 20 alloy St. CN7M
3K4	300	150	30		41.4	41.4	32.1	
3K4	600	150	60		82.7	82.7	64.1	
3K4	900	300	90		124.1	124.1	96.2	
3K4	1500	300	150		206.9	206.9	160.7	

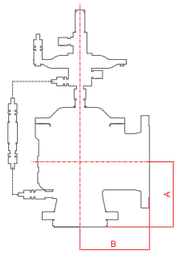
ASME SERIES



WFTD Series



WFXD Series



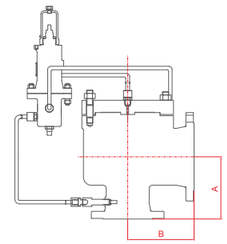
WFJY Series

Size of Flange Construction

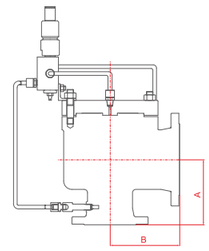
Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B
3"xLx4"	150LB	150LB	156	162
3"xLx4"	300LB	150LB	156	162
3"xLx4"	600LB	150LB	162	162
3"xLx4"	900LB	300LB	191	181
3"xLx4"	1500LB	300LB	191	181
4"xLx6"	150LB	150LB	197	210
4"xLx6"	300LB	150LB	197	210
4"xLx6"	600LB	150LB	197	210
4"xLx6"	900LB	300LB	249	233
4"xLx6"	1500LB	300LB	249	233

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)				Meterials
	INLET	OUTLET		−267.8	−267.8 to −28.9	−28.9 to −37.8	260	
3L4	150	150	15		19.7	19.7	11.7	Carbon steel C.St. WCB
3L4	300	150	30		51	51	41.4	
3L4	600	150	60		98.3	98.3	83.1	
3L4	900	300	90		153.1	153.1	124.8	
3L4	1500	300	150		250.3	250.3	207.9	
4L6	150	150	15		19.7	19.7	11.7	
4L6	300	150	30		51	51	41.7	
4L6	600	150	60		102	102	83.1	
4L6	900	300	90		153.1	153.1	124.8	
4L6	1500	300	150		255.5	255.5	207.9	
3L4	150	150	15	19	19	19	11.7	Austenitic stainless steel St.St. CF8M
3L4	300	150	30	49.6	49.6	49.6	33.1	
3L4	600	150	60	94.8	94.8	94.8	65.8	
3L4	900	300	90	148.9	148.9	148.9	98.9	
3L4	1500	300	150	243.4	243.4	243.4	164.8	
4L6	150	150	15	19	19	19	11.7	
4L6	300	150	30	49.6	49.6	49.6	33.1	
4L6	600	150	60	99.3	99.3	99.3	65.8	
4L6	900	300	90	148.9	148.9	148.9	98.9	
4L6	1500	300	150	248.2	248.2	248.2	164.8	
3L4	150	150	15		15.9	15.9	11.7	Nickel−base/ copper alloy alloy St. M35−1
3L4	300	150	30		41.4	41.4	32.8	
3L4	600	150	60		79.3	79.3	65.2	
3L4	900	300	90		124.1	124.1	97.9	
4L6	150	150	15		15.9	15.9	11.7	
4L6	300	150	30		41.4	41.4	32.8	
4L6	600	150	60		82.8	82.8	65.2	
4L6	900	300	90		124.1	124.1	97.9	
3L4	150	150	15		15.9	15.9	12.4	Alloy of number 20 alloy St. CN7M
3L4	300	150	30		41.4	41.4	32.1	
3L4	600	150	60		79.3	79.3	64.1	
3L4	900	300	90		124.1	124.1	96.2	
3L4	1500	300	150		202.8	202.8	160.7	
4L6	150	150	15		15.9	15.9	12.4	
4L6	300	150	30		41.4	41.4	32.1	
4L6	600	150	60		82.7	82.7	64.1	
4L6	900	300	90		124.1	124.1	96.2	
4L6	1500	300	150		206.9	206.9	160.7	



WFTD Series



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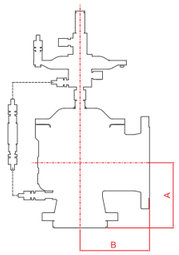


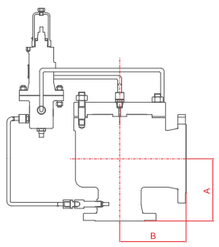
WFJY Series

Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B
4"xMx6"	150LB	150LB	197	210
4"xMx6"	300LB	150LB	197	210
4"xMx6"	600LB	150LB	197	210
4"xMx6"	900LB	300LB	249	233
4"xMx6"	1500LB	300LB	249	233

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)				Meterials
	INLET	OUTLET		−267.8	−267.8 to −28.9	−28.9 to −37.8	260	
4M6	150	150	15		19.7	19.7	11.7	Carbon steel C.St. WCB
4M6	300	150	30		51	51	41.7	
4M6	600	150	60		102	102	83.1	
4M6	900	300	90		153.1	153.1	124.8	
4M6	1500	300	150		255.5	255.5	207.9	
4M6	150	150	15	19	19	19	11.7	Austenitic stainless steel St.St. CF8M
4M6	300	150	30	49.6	49.6	49.6	33.1	
4M6	600	150	60	99.3	99.3	99.3	65.8	
4M6	900	300	90	148.9	148.9	148.9	98.9	
4M6	1500	300	150	248.2	248.2	248.2	164.8	
4M6	150	150	15		15.9	15.9	11.7	Nickel−base/ copper alloy alloy St. M35−1
4M6	300	150	30		41.4	41.4	32.8	
4M6	600	150	60		82.8	82.8	65.2	
4M6	900	300	90		124.1	124.1	97.9	
4M6	150	150	15		15.9	15.9	12.4	Alloy of number 20 alloy St. CN7M
4M6	300	150	30		41.4	41.4	32.1	
4M6	600	150	60		82.7	82.7	64.1	
4M6	900	300	90		124.1	124.1	96.2	
4M6	1500	300	150		206.9	206.9	160.7	



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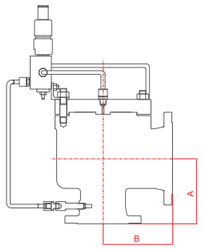

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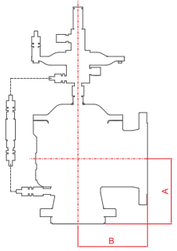


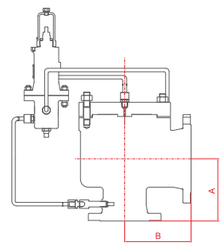
WFJY Series

Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B
4"xNx6"	150LB	150LB	197	210
4"xNx6"	300LB	150LB	197	210
4"xNx6"	600LB	150LB	197	210
4"xNx6"	900LB	300LB	249	233
4"xNx6"	1500LB	300LB	249	233

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)				Meterials
	INLET	OUTLET		-267.8	-267.8 to -28.9	-28.9 to -37.8	260	
4N6	150	150	15		19.7	19.7	11.7	Carbon steel C.St. WCB
4N6	300	150	30		51	51	41.7	
4N6	600	150	60		102	102	83.1	
4N6	900	300	90		153.1	153.1	124.8	
4N6	1500	300	150		255.5	255.5	207.9	
4N6	150	150	15	19	19	19	11.7	Austenitic stainless steel St.St. CF8M
4N6	300	150	30	49.6	49.6	49.6	33.1	
4N6	600	150	60	99.3	99.3	99.3	65.8	
4N6	900	300	90	148.9	148.9	148.9	98.9	
4N6	1500	300	150	248.2	248.2	248.2	164.8	
4N6	150	150	15		15.9	15.9	11.7	Nickel-base/ copper alloy alloy St. M35-1
4N6	300	150	30		41.4	41.4	32.8	
4N6	600	150	60		82.8	82.8	65.2	
4N6	900	300	90		124.1	124.1	97.9	
4N6	150	150	15		15.9	15.9	12.4	Alloy of number 20 alloy St. CN7M
4N6	300	150	30		41.4	41.4	32.1	
4N6	600	150	60		82.7	82.7	64.1	
4N6	900	300	90		124.1	124.1	96.2	
4N6	1500	300	150		206.9	206.9	160.7	



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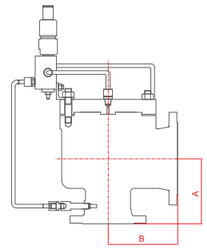

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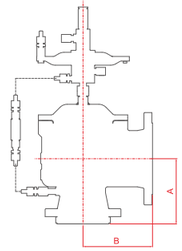


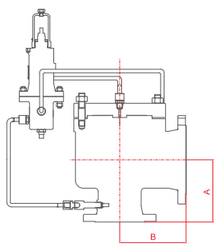
WFJY Series

Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B
4"xPx6"	150LB	150LB	197	210
4"xPx6"	300LB	150LB	197	210
4"xPx6"	600LB	150LB	197	210
4"xPx6"	600LB (a)	300LB	249	233
4"xPx6"	900LB	300LB	249	233
4"xPx6"	1500LB	300LB	249	233
4"xPx6"	1500LB (a)	600LB	249	264

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)				Meterials
	INLET	OUTLET		-267.8	-267.8 to -28.9	-28.9 to -37.8	260	
4P6	150	150	15		19.7	19.7	11.7	Carbon steel C.St. WCB
4P6	300	150	30		51	51	41.7	
4P6	600	150	60		98.3	98.3	83.1	
4P6	600	300	60a		102	102	83.1	
4P6	900	300	90		153.1	153.1	124.8	
4P6	1500	300	150		250.3	250.3	207.9	
4P6	1500	600	150a		255.5	255.5	207.9	
4P6	150	150	15	19	19	19	11.7	Austenitic stainless steel St.St. CF8M
4P6	300	150	30	49.6	49.6	49.6	33.1	
4P6	600	150	60	94.8	94.8	94.8	65.9	
4P6	600	300	60a	99.3	99.3	99.3	65.9	
4P6	900	300	90	148.9	148.9	148.9	98.9	
4P6	1500	300	150	242.8	242.8	242.8	164.8	
4P6	1500	600	150a	248.2	248.2	248.2	164.8	
4P6	150	150	15		15.9	15.9	11.7	Nickel-base/ copper alloy alloy St. M35-1
4P6	300	150	30		41.4	41.4	32.8	
4P6	600	150	60		79.3	79.3	65.2	
4P6	900	300	90		124.1	124.1	97.9	
4P6	150	150	15		15.9	15.9	12.4	Alloy of number 20 alloy St. CN7M
4P6	300	150	30		41.4	41.4	32.1	
4P6	600	150	60		79.3	79.3	64.1	
4P6	600	300	60a		82.7	82.7	64.1	
4P6	900	300	90		124.1	124.1	96.2	
4P6	1500	300	150		202.8	202.8	160.7	
4P6	1500	600	150a		206.9	206.9	160.7	



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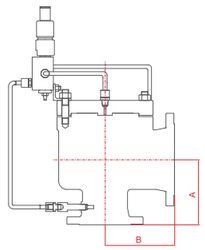

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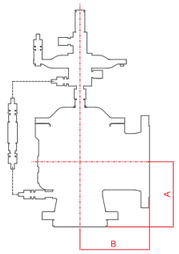


WFJY Series

Q

Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B
6"xQx8"	150LB	150LB	240	241
6"xQx8"	300LB	150LB	240	241
6"xQx8"	600LB	150LB	246	241
6"xQx8"	600LB (a)	300LB	246	265

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)				Meterials
	INLET	OUTLET		−267.8	−267.8 to −28.9	−28.9 to −37.8	260	
6Q8	150	150	15		19.7	19.7	11.7	Carbon steel C.St.WCB
6Q8	300	150	30		51	51	41.7	
6Q8	600	150	60		100	100	83.1	
6Q8	600	300	60a		102	102	83.1	
6Q8	150	150	15	19	19	19	11.7	Austenitic stainless steel St.St.CF8M
6Q8	300	150	30	49.6	49.6	49.6	33.1	
6Q8	600	150	60	96.6	96.6	96.6	65.8	
6Q8	600	300	60a	96.6	96.6	96.6	65.8	
6Q8	150	150	15		15.9	15.9	11.7	Nickel−base/ copper alloy alloy St.M35−1
6Q8	300	150	30		41.4	41.4	32.8	
6Q8	600	150	60		80.7	80.7	65.2	
6Q8	600	300	60a		82.8	82.8	65.2	
6Q8	150	150	15		15.9	15.9	12.4	Alloy of number 20 alloy St.CN7M
6Q8	300	150	30		41.4	41.4	32.1	
6Q8	600	150	60		80.7	79.3	64.1	
6Q8	600	300	60a		82.7	82.7	64.1	

R

Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B
6"xRx8"	150LB	150LB	240	241
6"xRx8"	300LB	150LB	240	241
6"xRx8"	600LB	150LB	246	241

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)				Meterials
	INLET	OUTLET		−267.8	−267.8 to −28.9	−28.9 to −37.8	260	
6R8	150	150	15		19.7	19.7	11.7	Carbon steel C.St. WCB
6R8	300	150	30		51	51	41.7	
6R8	600	150	60		70.3	70.3	70.3	
6R8	150	150	15	19	19	19	11.7	Austenitic stainless steel St.St.CF8M
6R8	300	150	30	49.6	49.6	49.6	33.1	
6R8	600	150	60	67.9	67.9	67.9	65.9	
6R8	150	150	15		15.9	15.9	11.7	Nickel−base/ copper alloy alloy St.M35−1
6R8	300	150	30		41.4	41.4	32.8	
6R8	600	150	60		56.6	56.6	56.6	
6R8	150	150	15		15.9	15.9	12.4	Alloy of number 20 alloy St.CN7M
6R8	300	150	30		41.4	41.4	32.1	
6R8	600	150	60		56.6	56.6	56.6	

T

Size of Flange Construction

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B
8"xTx10"	150LB	150LB	276	279
8"xTx10"	300LB	150LB	276	279
8"xTx10"	600LB	150LB	297	279

Size, Pressure index, Rated temperature

Inlet*Orifice*Outlet	Flange Level		The designation of the inlet pressure index in the TYPE NO.	Maximum setting pressure index (bar)				Meterials
	INLET	OUTLET		−267.8	−267.8 to −28.9	−28.9 to −37.8	260	
8T10	150	150	15		19.7	19.7	11.7	Carbon steel C.St.WCB
8T10	300	150	30		51	51	41.7	
8T10	600	150	60		67.9	67.9	67.9	
8T10	150	150	15	19	19	19	11.7	Austenitic stainless steel St.St.CF8M
8T10	300	150	30	49.6	49.6	49.6	33.1	
8T10	600	150	60	65.5	65.5	65.5	65.5	
8T10	150	150	15		15.9	15.9	11.7	Nickel−base/ copper alloy alloy St.M35−1
8T10	300	150	30		41.4	41.4	32.8	
8T10	600	150	60		54.8	54.8	54.8	
8T10	150	150	15		15.9	15.9	12.4	Alloy of number 20 alloy St.CN7M
8T10	300	150	30		41.4	41.4	32.1	
8T10	600	150	60		54.8	54.8	54.8	

Product list

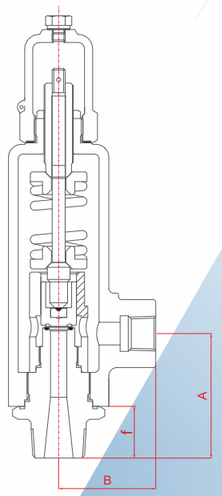
WFR&WFM SERIES:
SCREWED SAFETY VALVE

Use Precautions :
designed for overpressure protection in non-fire-resistant containers，and it is suitable for gases and liquids.

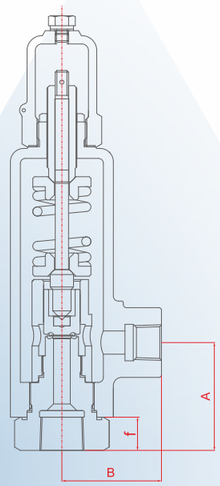
Characteristic:
Threaded link, flange connection, small size, light weight

WFM

WFR



WFR Series



WFM Series

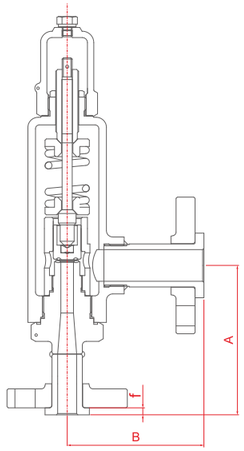
WFR、WFM Structureize

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
1/2xBx1/2	150	150	78	48	/
1/2xBx1/2	300	150	78	48	/
1/2xBx1/2	300	300	78	48	/
1/2xBx1/2	600	150	78	48	/
1/2xCx1/2	150	150	78	48	/
1/2xCx1/2	300	150	78	48	/
1/2xCx1/2	300	300	78	48	/
1/2xCx1/2	600	150	78	48	/
1/2xCx1/2	900	150	78	48	/
3/4xCx3/4	150	150	77	45	/
3/4xCx3/4	300	150	77	45	/
3/4xCx3/4	300	300	77	45	/
3/4xCx3/4	600	150	77	45	/
3/4xCx1	150	150	77	45	/
3/4xCx1	300	150	77	45	/
3/4xCx1	300	300	77	45	/
3/4xCx1	600	150	77	45	/
1xCx1	150	150	77	45	/
1xCx1	300	150	77	45	/
1xCx1	300	300	77	45	/
1xCx1	600	150	77	45	/
3/4xDx3/4	150	150	77	45	/
3/4xDx3/4	300	150	77	45	/
3/4xDx3/4	300	300	77	45	/
3/4xDx3/4	600	150	77	45	/
3/4xDx1	150	150	77	45	/
3/4xDx1	300	150	77	45	/
3/4xDx1	300	300	77	45	/
3/4xDx1	600	150	77	45	/
1xDx1	150	150	77	45	/
1xDx1	300	150	77	45	/
1xDx1	300	300	77	45	/
1xDx1	600	150	77	45	/

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
1/2xBx1/2	150	150			/
1/2xBx1/2	300	150			/
1/2xBx1/2	300	300			/
1/2xBx1/2	600	150			/
1/2xCx1/2	150	150	54	48	/
1/2xCx1/2	300	150	54	48	/
1/2xCx1/2	300	300	54	48	/
1/2xCx1/2	600	150	54	48	/
3/4xCx3/4	150	150	65	45	/
3/4xCx3/4	300	150	65	45	/
3/4xCx3/4	300	300	65	45	/
3/4xCx3/4	600	150	65	45	/
3/4xCx1	150	150	65	45	/
3/4xCx1	300	150	65	45	/
3/4xCx1	300	300	65	45	/
3/4xCx1	600	150	65	45	/
1xCx1	150	150	77	45	/
1xCx1	300	150	77	45	/
1xCx1	300	300	77	45	/
1xCx1	600	150	77	45	/
3/4xDx3/4	150	150	65	45	/
3/4xDx3/4	300	150	65	45	/
3/4xDx3/4	300	300	65	45	/
3/4xDx3/4	600	150	65	45	/
3/4xDx1	150	150	65	45	/
3/4xDx1	300	150	65	45	/
3/4xDx1	300	300	65	45	/
3/4xDx1	600	150	65	45	/
1xDx1	150	150	77	45	/
1xDx1	300	150	77	45	/
1xDx1	300	300	77	45	/
1xDx1	600	150	77	45	/

ASME SERIES

Product list



WFF SERIES: THERMAL EXPANSION SAFETY VALVE

Use Precautions :
It is applied to the overpressure caused by thermal expansion of pipes or containers.

Characteristic:
Small displacement requirements, small caliber

WFM Structureize

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
1/2xBx1/2	150	150			
1/2xBx1/2	300	150			
1/2xBx1/2	300	300			
1/2xBx1/2	600	150			
1/2xCx1/2	150	150	118	108	7
1/2xCx1/2	300	150	118	108	7
1/2xCx1/2	300	300	118	108	7
1/2xCx1/2	600	150	118	108	7
3/4xCx3/4	150	150	118	108	7
3/4xCx3/4	300	150	118	108	7
3/4xCx3/4	300	300	118	108	7
3/4xCx3/4	600	150	118	108	7
3/4xCx1	150	150	118	108	7
3/4xCx1	300	150	118	108	7
3/4xCx1	300	300	118	108	7
3/4xCx1	600	150	118	108	7
1xCx1	150	150	118	108	7
1xCx1	300	150	118	108	7
1xCx1	300	300	118	108	7
1xCx1	600	150	118	108	7
3/4xDx3/4	150	150	118	108	7
3/4xDx3/4	300	150	118	108	7
3/4xDx3/4	300	300	118	108	7
3/4xDx3/4	600	150	118	108	7
3/4xDx1	150	150	118	108	7
3/4xDx1	300	150	118	108	7
3/4xDx1	300	300	118	108	7
3/4xDx1	600	150	118	108	7
3/4xDx1	900	150	122	108	12.5
1xDx1	150	150	118	108	7
1xDx1	300	150	118	108	7
1xDx1	300	300	118	108	7
1xDx1	600	150	118	108	7

Product list

WFJ SERIES: JACKETED SAFETY VALVE

Use Precautions :
Suitable for taking polyester, ethylene, heavy oil refining, urea fertilizer and other devices, the medium needs to be heated, plays a role in safety pressure relief.

Characteristic:
The import flange and valve body are heated, the heat preservation effect is good;
Bellows balance structure, eliminate the back pressure on the relief valve opening pressure, and make springs and other parts not easy to be corroded by the medium.

Size of Flange Construction

V

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
10"xVx14"	150LB	150LB	304.8	406.4	2
10"xVx14"	300LB	150LB	304.8	406.4	2
10"xVx14"	600LB	300LB	324.8	406.4	7

W

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
12"xWx16"	150LB	150LB	355.6	406.4	2
12"xWx16"	300LB	150LB	355.6	406.4	2

Y

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
14"xYx18"	150LB	150LB	406.4	508	2
14"xYx18"	300LB	150LB	406.4	508	2

Z

Inlet*Orifice*Outlet	Pressure index of inlet	Pressure index of outlet	A	B	f
16"xZx18"	150LB	150LB	406.4	508	2
16"xZx18"	300LB	150LB	406.4	508	2

Z1

			A	B	f
16"xZ1x20"	150LB	150LB	431.8	533.4	2
16"xZ1x20"	300LB	150LB	431.8	533.4	2

AA

			A	B	f
18"xAAx24"	150LB	150LB	508	635	2
18"xAAx24"	300LB	150LB	508	635	2

BB

			A	B	f
20"xBBx24"	150LB	150LB	550	550	2
20"xBBx24"	300LB	150LB	550	550	2

BB1

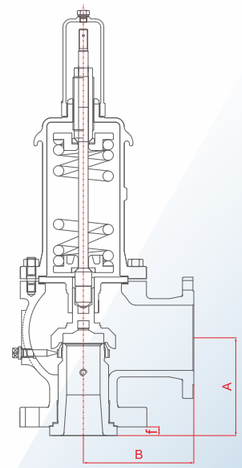
			A	B	f
20"xBB1x24"	150LB	150LB	550	550	2
20"xBB1x24"	300LB	150LB	550	550	2

Product list

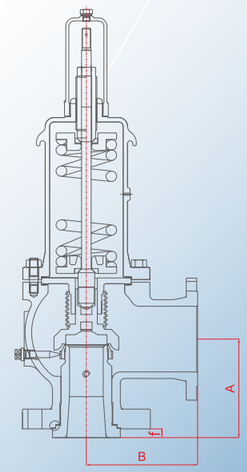
WFJ SERIES:
JACKETED SAFETY VALVE

Use Precautions：
Suitable for taking polyester, ethylene, heavy oil refining, urea fertilizer and other devices, the medium needs to be heated, plays a role in safety pressure relief.

Characteristic:
The import flange and valve body are heated, the heat preservation effect is good;
Bellows balance structure, eliminate the back pressure on the relief valve opening pressure, and make springs and other parts not easy to be corroded by the medium.



WFO系列



WFB系列

WFO

WFB

Cooperation & Mutual benefits

"The WuZi brand safety valve from Dong Wu Machinery has a significant presence in the industry. Its products are widely used in petroleum, petrochemical, power, nuclear power, metallurgy, chemical, pharmaceutical, and air separation industries. Over the years, the products have been extensively used in large enterprises such as Jilin Petrochemical, Dalian Petrochemical, Jinzhou Petrochemical, Guangxi Petrochemical, Dushanzi Petrochemical, Ningxia Petrochemical, Yan Shan Petrochemical, Tianjin Petrochemical, Yangtze Petrochemical, Maoming Petrochemical, Gaoqiao Petrochemical, Zhenhai Refining, Qingdao Large Refining, Fule Integration, and Huizhou Refining, which are subsidiaries of PetroChina, Sinopec, and CNOOC. The company's nuclear safety valves have been used in nuclear power plants such as Chashma, Karachi, Qinshan Phase II, Fangjiashan, Fuzhou, Hainan Changjiang, Tianwan, Sanyan, Haiyang, and Taishan. Dong Wu Machinery was one of the first units in the country to obtain the production license for safety valves from the Ministry of Machinery and Electricity. After joining the first-tier supply network of PetroChina and the Energy No.1 Network, the company became a member factory of the Material Equipment Department of Sinopec Group and the State Power Material Company.