OMEAX CONTROL VALVES - GLOBE TYPE - DUCTILE IRON - TC200/201



Specifications

DN mm	DN15 - DN500
DN inch	1/2" - 20"
Temperature	-25°C to 450°C
Type of body	Flanges
Application	Cold/hot water, Glycol solution concentration < 50%
Connection	Flanged ISO 7005-2 PN16 and PN25
Test	EN 12266-2 (Test body safety and tightness, Test seat tightness)
Options	Other specifications on request

Advantages



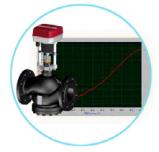
Low Leakage Rate

The leakage rate of valve is no more than 0.01% Kvs, the valve core and valve seat sealing surface are all stainless steel which could avoid the damage caused by debris in medium.



• V-ring Sealing Gland+ Spring Auto-compensation

Due to V-ring shape of the sealing gland, the effects of the inner hole shrinkage and cylindrical expansion of the sealing grand in the case of pressing by the spring, which ensures the sealing of the stem part is effective for a long time.



Perfect Control Curve

The rangeability of valve is 100:1, equipped with TW...series actuator which can get a perfect equalpercentage control curve.



High-quality Material

The valve body is made of high-quality ductile iron material(QT450-10), and the surface adopts electrostatic spraying craft, the body has better intensity and corrosion resistance.



Type summary

				Cariaa			714/000	TM/4000	TI4/4004	T14/2000	TIME000	TM4C000
				Series Actuator Rate	d Stroke	•	TW600 30mm	TW1000 30mm	TW1001 50mm	TW3000 50mm	TW5000 70mm	TW16000 110mm
				Nominal Outp			600N	1000N	1000N	3000N	5000N	16000N
	-			Icon								
	Flange V	ed v alve					T	T	T	T	T	I
				Proportional Type 0(2)~10∨DC,0(4)~	20m A		TW600- XD24-S.12	TW1000- XD24-S.12	TW1001- XD24-S.14	TW3000- XD24-S.14	TW5000- XD24-S.14	TW16000- XD220-S.15
	D	N1(2	3-position Type (o			TW600-	TW1000-	TW1001-	TW3000-	TW5000-	TW16000-
	F		0				XD24-S.12 TW600-	XD24-S.12 TW1000-	XD24-S.14 TW1001-	XD24-S.14 TW3000-	XD24-S.14 TW5000-	XD220-S.15
				RS485 bus and NF	C(optional)		XD24-S485.12	XD24-S485.12	XD24-S485.14	XD24-S485.14	XD24-S485.14	1
				2 SPDT Feedback	Function(or		TW600-XD24- SF2.12	TW1000-XD24- SF2.12	TW1001-XD24- SF2.14	TW3000-XD24- SF2.14	TW5000-XD24- SF2.14	1
	Valve Body	/	Туре	DN	Valve Stroke	Max.Flow Parameter Kvs	∆Ps	∆Ps	∆Ps	∆Ps	∆Ps	∆Ps
				[mm]	[mm]	[m ³ /h]	[MPa]	[MPa]	[MPa]	[MPa]	[mPa]	[MPa]
			TF15-2VGC-S.12 ¹⁾ TF20-2VGC-S.12	DN15 DN20	20 20	4 6.3	1.60 1.60					
			TF25-2VGC-S.12	DN25	20	10	1.00	1.60				
PN1			TF32-2VGC-S.12	DN32	20	16	0.60	1.00				
6			TF40-2VGC-S.12	DN40	20	25	0.40	0.70				
PN16, Medium Temp	4		TF50-2VGC-S.12	DN50	20	40		0.50	4.00			
lium			TF65-2VGC-S.14 TF80-2VGC-S.14	DN65 DN80	20 30	63 100			1.00			
Ten	124		TF100-2VGC-S.14	DN00	40	160			1.00			
ġ			TF125-2VGC-S.14	DN125	40	250				1.60		
	A COLOR		TF150-2VGC-S.14	DN150	40	350				1.60		
-25	Flanged		TF200-2VGC-S.14	DN200	40	520				1.60		
റ്	water valve		TF250-2VGC-S.14	DN250	40	700				1.60		
≀			TF300-2VGC-S.14	DN300	60	1000					1.60	
130°C			TF350-2VGC-S.14	DN350	60	1300					1.60	4.00
			TF400-2VGC-S.15 TF450-2VGC-S.15	DN400 DN450	100 100	2200 2600						1.60 1.60
			TF500-2VGC-S.15	DN450	100	3200						1.60
			TF15-3VGC-S.12 ¹⁾	DN300	20	4	1.60					1.00
			TF20-3VGC-S.12	DN15 DN20	20	6.3	1.60					
			TF25-3VGC-S.12	DN25	20	10	1.00	1.60				
σ			TF32-3VGC-S.14	DN32	20	16			1.00	1.60		
A1N			TF40-3VGC-S.14	DN40	20	25			0.70	1.60		
PN16 Medium			TF50-3VGC-S.14	DN50	20	40			0.50	1.10		
<u> </u>	- 1		TF65-3VGC-S.14	DN65	20	63				0.90		
I			TF80-3VGC-HS.14	DN80	30	100				0.55		
Temp			TF100-3VGC-HS.14			160				0.35	0.05	
			TF125-3VGC-HS.14			250				0.24	0.35	
57			TF150-3VGC-HS.14 TF200-3VGC-HS.14			350 520				0.15	0.25 0.15	
ວັ	3-port flange		TF250-3VGC-HS.14		40	700					0.15	
۲.	water valve		TF300-3VGC-HS.14			1200					0.10	0.20
130 °C	(mixing)		TF350-3VGC-HS.15			1200						0.15
,			TF400-3VGC-HS.15		100	2200						0.12
			TF450-3VGC-HS.15		100	2600						0.10
			TF500-3VGC-HS.15		100	3200						0.08
			TF15-3VGC-S.121)	DN15	20	4	0.80					
			TF20-3VGC-S.12	DN20	20	6.3	0.80					
			TF25-3VGC-S.12	DN25	20	10	0.50	0.80				
			TF32-3VGC-S.14	DN32	20	16			0.50	0.80		
DN16 Medium Temn			TF40-3VGC-S.14	DN40	20	25			0.35	0.80		
D	6		TF50-3VGC-S.14	DN50	20	40			0.25	0.55		
A DO			TF65-3VGC-S.14	DN65	20	63				0.45		
		5	TF80-3VGC-FS.14	DN80	30 40	100				0.55		
1			TF100-3VGC-FS.14			160				0.35	0.35	
			TF125-3VGC-FS.14			250				0.24		
2	_		TF150-3VGC-FS.14		40	350				0.15	0.25	
°,	3-port flange water valve		TF200-3VGC-FS.14		40	520					0.15	
3E 0 ~ 1000	(diverting)		TF250-3VGC-FS.14 TF300-3VGC-FS.15		40 100	700 1200					0.10	0.20
ິ			TF350-3VGC-FS.15			1200						
			TF400-3VGC-FS.15		100 100	1800 2200						0.15 0.12
			11400-3VGC-F3.10	, DN400	100	2200						0.12
			TF450-3VGC-FS.15	5 DN450	100	2600						0.10

			Series				TW1000	TW3000	TW5000	TW16000
				Rated Stroke			30mm	50mm	70mm	110mm
			Nominal C	Output Force			1000N	3000N	5000N	16000N
			Icon	·						
	Flanged	l Ste	am							
								4	1	
	Val	ve					40	da	de	1
	PN	16								
	1 1 1	10	Proportional T	ype 0(2)~10VDC	,0(4)~20mA		TW1000-XD24-S.12	TW3000-XD24-S.14	TW5000-XD24-S.14	TW16000-XD220-S.15
			3-position Typ	e(on/off)			TW1000-XD24-S.12	TW3000-XD24-S.14	TW5000-XD24-S.14	TW16000-XD220-S.15
			RS485 bus ar	d NFC(optional)				TW3000-XD24-S485.14	TW5000-XD24-S485.14	1
			2 SPDT Feed	back Function(op	tional)		TW1000-XD24-SF2.12	TW3000-XD24-SF2.14	TW5000-XD24-SF2.14	1
	Valve Bod	у	Туре	DN	Valve Stroke	Max.Flow Parameter Kvs	∆Ps	∆Ps	∆Ps	∆Ps
				[mm]	[mm]	[m ³ /h]	[MPa]	[MPa]	[MPa]	[MPa]
			TF15-2SGC-S.121)	DN15	20	4	1.60			
			TF20-2SGC-S.12	DN20	20	6.3	1.60			
			TF25-2SGC-S.12	DN25	20	10	1.60			
σ			TF32-2SGC-S.12	DN32	20	16	1.00			
Ň16			TF40-2SGC-S.12	DN40	20	25	1.00			
, M			TF50-2SGC-S.12	DN50	20	40	1.00			
ediu	é		TF65-2SGC-S.14	DN65	20	63		1.60		
PN16, Medium Temp.			TF80-2SGC-S.14	DN80	30	100		1.60		
ėmį	1-10		TF100-2SGC-S.14	DN100	40	160		1.60		
,v		-	TF125-2SGC-S.14	DN125	40	250		1.60		
2			TF150-2SGC-S.14	DN150	40	350		1.60		
°,	Flanged Steam Valve		TF200-2SGC-S.14	DN200	60	600			1.60	
~ 18			TF250-2SGC-S.14	DN250	60	750			1.60	4.00
180°C			TF300-2SGC-S.15	DN300	100	1200 1800				1.60
			TF350-2SGC-S.15 TF400-2SGC-S.15	DN350 DN400	100 100	2200				1.60 1.60
			TF450-2SGC-S.15	DN400	100	2200				1.60
			TF500-2SGC-S.15	DN500	100	3200				1.60
Ī			TF15-2AGC-S.14	DN15	20	4		1.60		
			TF20-2AGC-S.14	DN20	20	6.3		1.60		
ъ			TF25-2AGC-S.14	DN25	20	10		1.60		
N16			TF32-2AGC-S.14	DN32	20	16		1.60		
, M			TF40-2AGC-S.14	DN40	20	25		1.60		
lediu			TF50-2AGC-S.14	DN50	20	40		1.60		
PN16, Medium Tem			TF65-2AGC-S.14	DN65	40	63		1.60		
emp			TF80-2AGC-S.14	DN80	40	100		1.60		
			TF100-2AGC-S.14	DN100	40	160		1.60		
Ν			TF125-2AGC-S.14	DN125	40	250		1.60		
°C ∼	Flanged High-		TF150-2AGC-S.14	DN150	40	350		1.60	1.00	
- 220°C	temp. Steam		TF200-2AGC-S.14 TF250-2AGC-S.14	DN200 DN250	60 60	600 750			1.60 1.60	
ဂီ	Valve		TF300-2AGC-S.14	DN230	100	1200			1.00	1.60
			TF350-2AGC-S.15	DN350	100	1800				1.60
			TF400-2AGC-S.15	DN400	100	2200				1.60
			TF15-2PGC-S.14	DN15	20	2		1.60		
			TF20-2PGC-S.14	DN20	20	3		1.60		
τ	2		TF25-2PGC-S.14	DN25	20	5		1.60		
PN16, Medium Temp.			TF32-2PGC-S.14	DN32	20	8		1.60		
, M			TF40-2PGC-S.14	DN40	20	20		1.60		
ediu			TF50-2PGC-S.14	DN50	20	31		1.60		
3 T	G-A		TF65-2PGC-S.14	DN65	40	50		1.60		
emp			TF80-2PGC-S.14	DN80	40	80		1.60		
			TF100-2PGC-S.14	DN100	40	125		1.60		
2 .	Flanged Supper		TF125-2PGC-S.14 TF150-2PGC-S.14	DN125 DN150	40 40	200 300		1.60 1.60		
°C ≁	High-temp. Steam Valve		TF150-2PGC-S.14 TF200-2PGC-S.14	DN150 DN200	40 60	600		1.60	1.60	
- 450°C			TF200-2PGC-S.14	DN200	60	750			1.60	
0°C			TF300-2PGC-S.15	DN230	100	1200				1.60
			TF350-2PGC-S.15	DN350	100	1200				1.60

*Remark¹⁾: DN15 valve has various types according to the Kvs, such as 0.63, 1.0,1.6,2.5. If the KVS 0.63 is selectable, just add it after the regular type, eg: TF15-2VGC-S.12-KVS0.63



			Series			TW600	TW1000	TW1001	TW3000	TW5000	TW16000
			Actuator Rate	d Stroke)	30mm	30mm	50mm	50mm	70mm	110mm
			Nominal Outp	ut Force)	600N	1000N	1000N	3000N	5000N	16000N
			Icon								
	Flange	ed Water				4		1		1	
						da	4	alc:	alc.	40	
		alve				THEOR	Thirdoop	Thursday	Theorem	THEODO	
	Р	N25	Proportional Type 0	(2)~10VDC	0,0(4)~20mA	TW600- XD24-S.12	TW1000- XD24-S.12	TW1001- XD24-S.14	TW3000- XD24-S.14	TW5000- XD24-S.14	TW16000- XD220-S.15
			3-position Type(on/	off)		TW600-	TW1000-	TW1001-	TW3000-	TW5000-	TW16000-
						XD24-S.12 TW600-	XD24-S.12 TW1000-	XD24-S.14 TW1001-	XD24-S.14 TW3000-	XD24-S.14 TW5000-	XD220-S.15
			RS485 bus and NF	C(optional)		XD24-S485.12	XD24-S485.12	XD24-S485.14	XD24-S485.14	XD24-S485.14	1
			2 SPDT Feedback I	⁻ unction(op	otional)	TW600-XD24- SF2.12	TW1000-XD24- SF2.12	TW1001-XD24- SF2.14	TW3000-XD24- SF2.14	TW5000-XD24- SF2.14	1
			DN	Valve	Max.Flow Parameter	∆Ps	∆Ps	∆Ps	∆Ps	∆Ps	∆Ps
	Valve Body	у Туре	DIN	Stroke	Kvs	ΔF3	ΔF3	ΔF3	ΔF3	ZF3	∆F3
			[mm]	[mm]	[m ³ /h]	[MPa]	[MPa]	[MPa]	[MPa]	[mPa]	[MPa]
		TF15-2VGD-S.12 ¹⁾	DN15	20	4	1.60					
		TF20-2VGD-S.12 TF25-2VGD-S.12	DN20 DN25	20 20	6.3 10	1.60 1.00	1.60				
₽		TF32-2VGD-5.12	DN23 DN32	20	16	0.60	1.00				
N25		TF40-2VGD-S.12	DN40	20	25	0.40	0.70				
Me	é	TF50-2VGD-S.12	DN50	20	40		0.50				
dium		TF65-2VGD-S.14 TF80-2VGD-S.14	DN65 DN80	20 30	63 100			1.00 1.00			
PN25 , Medium Temp	1-1C	TF100-2VGD-S.14	DN00	30 40	160			1.00			
np.		TF125-2VGD-S.14	DN125	40	250				1.60		
л.	Flanged	TF150-2VGD-S.14	DN150	40	350				1.60		
25 °C	water valve	TF200-2VGD-S.14	DN200	40	520				1.60		
2		TF250-2VGD-S.14	DN250	40	700				1.60		
130°C		TF300-2VGD-S.14 TF350-2VGD-S.14	DN300 DN350	60 60	1000 1300					1.60 1.60	
Ċ,		TF400-2VGD-S.15	DN350	100	2200					1.00	1.60
		TF450-2VGD-S.15	DN450	100	2600						1.60
		TF500-2VGD-S.15	DN500	100	3200						1.60
		TF15-3VGD-S.121)	DN15	20	4	1.60					
		TF20-3VGD-S.12	DN20	20	6.3	1.60	4.00				
P		TF25-3VGD-S.12 TF32-3VGD-S.14	DN25 DN32	20 20	10 16	1.00	1.60	1.00	1.60		
N25		TF40-3VGD-S.14	DN40	20	25			0.70	1.60		
, Me		TF50-3VGD-S.14	DN50	20	40			0.50	1.10		
PN25, Medium		TF65-3VGD-S.14	DN65	20	63				0.90		
n Temp.	MOA	TF80-3VGD-HS.14	DN80 DN100	30 40	100				0.55		
np.		TF125-3VGD-HS.14		40	250				0.00	0.35	
-25		TF150-3VGD-HS.14		40	350				0.15	0.25	
5 °C	3-port flange	TF200-3VGD-HS.14		40	520					0.15	
2	water valve	TF250-3VGD-HS.14 TF300-3VGD-HS.15		40 100	700 1200					0.10	0.20
130°C	(mixing)	TF350-3VGD-HS.15		100	1200						0.20
		TF400-3VGD-HS.15		100	2200						0.12
		TF450-3VGD-HS.15		100	2600						0.10
		TF500-3VGD-HS.15		100	3200	A 00					0.08
		TF15-3VGD-S.12 ¹⁾ TF20-3VGD-S.12	DN15 DN20	20 20	4 6.3	0.80 0.80					
		TF25-3VGD-S.12	DN25	20	10	0.50	0.80				
		TF32-3VGD-S.14	DN32	20	16			0 .50	0.80		
P		TF40-3VGD-S.14	DN40	20	25			0. 35	0.80		
25 , 1	<u>ģ</u>	TF50-3VGD-S.14	DN50	20	40			0.25	0.55		
Med		TF65-3VGD-S.14 TF80-3VGD-FS.14	DN65 DN80	20 30	63 100				0.45 0.55		
m	1	TF100-3VGD-FS.14	DN00	30 40	160				0.35		
PN25, Medium Temp.		TF125-3VGD-FS.14	DN125	40	250				0.24	0.35	
p. –25		TF150-3VGD-FS.14	DN150	40	350				0.15	0.25	
25 °C	0	TF200-3VGD-FS.14	DN200	40	520					0.15	
~	3-port flange water valve	TF250-3VGD-FS.14	DN250	40	700					0.10	
~130°C	(diverting)	TF300-3VGD-FS.15		100	1200						0.20
		TF350-3VGD-FS.15		100	1800						0.15
		TF400-3VGD-FS.15		100	2200						0.12
		TF450-3VGD-FS.15		100	2600						0.10
		TF500-3VGD-FS.15	DN500	100	3200						0.08

			Series				TW1000	TW3000	TW5000	TW16000
				ated Stroke			30mm	50mm	70mm	110mm
				utput Force			1000N	3000N	5000N	16000N
			Icon				100011	000011	000011	
	Elandod									
	Flanged		ann						1	
	Val	lve					45	als.	de	
	PN	25								
	PN	25	Proportional Ty 0(2)~10VDC,0	pe (4)=:20m A			TW1000-XD24-S.12	TW3000-XD24-S.14	TW5000-XD24-S.14	TW16000-XD220-S.15
			3-position Type				TW1000-XD24-S.12	TW3000-XD24-S.14	TW5000-XD24-S.14	TW16000-XD220-S.15
			RS485 bus and				TW1000-XD24-S485.12			1
			2 SPDT Feedb	ack Function(op	tional)		TW1000-XD24-SF2.12	TW3000-XD24-SF2.14	TW5000-XD24-SF2.14	1
	Valve Bod	tv	Туре	DN	Valve Stroke	Max.Flow Parameter Kvs	∆Ps	∆Ps	∆Ps	∆Ps
		.,	.,,,-	[mm]	[mm]	[m ³ /h]	[MPa]	[MPa]	[MPa]	[MPa]
			TF15-2SGD-S.121)	DN15	20	4	1.60	[mi u]	[iiii d]	[ivii d]
			TF20-2SGD-S.12	DN20	20	6.3	1.60			
			TF25-2SGD-S.12	DN25	20	10	1.60			
P			TF32-2SGD-S.12	DN32	20	16	1.00			
N25			TF40-2SGD-S.12	DN40	20	25	1.00			
PN25, Medium Temp			TF50-2SGD-S.12	DN50	20	40	1.00			
ediu	<u>ģ</u>		TF65-2SGD-S.14	DN65	20	63		1.60		
л Т			TF80-2SGD-S.14	DN80	30	100		1.60		
emp	10		TF100-2SGD-S.14	DN100	40	160		1.60		
			TF125-2SGD-S.14	DN125	40	250		1.60		
2	Flanged		TF150-2SGD-S.14	DN150	40	350		1.60		
റ്	Steam Valve		TF200-2SGD-S.14	DN200	60	600			1.60	
~			TF250-2SGD-S.14	DN250	60	750			1.60	4.00
180°C			TF300-2SGD-S.15	DN300	100 100	1200 1800				1.60 1.60
			TF350-2SGD-S.15 TF400-2SGD-S.15	DN350 DN400	100	2200				1.60
			TF450-2SGD-S.15	DN400	100	2200				1.60
			TF500-2SGD-S.15	DN500	100	3200				1.60
			TF15-2AGD-S.14	DN15	20	4		1.60		
			TF20-2AGD-S.14	DN20	20	6.3		1.60		
P			TF25-2AGD-S.14	DN25	20	10		1.60		
N25			TF32-2AGD-S.14	DN32	20	16		1.60		
PN25, Medium Temp			TF40-2AGD-S.14	DN40	20	25		1.60		
diu			TF50-2AGD-S.14	DN50	20	40		1.60		
m Te			TF65-2AGD-S.14	DN65	40	63		1.60		
mp	EDA		TF80-2AGD-S.14	DN80	40	100		1.60		
			TF100-2AGD-S.14	DN100	40	160 250		1.60 1.60		
2°	Elanged High		TF125-2AGD-S.14 TF150-2AGD-S.14	DN125 DN150	40 40	250 350		1.60		
° ∼	Flanged High- temp. Steam		TF200-2AGD-S.14	DN150	40 60	600		1.00	1.60	
- 220°C	Valve		TF250-2AGD-S.14	DN250	60	750			1.60	
ဂိ			TF300-2AGD-S.15	DN300	100	1200				1.60
			TF350-2AGD-S.15	DN350	100	1800				1.60
			TF400-2AGD-S.15	DN400	100	2200				1.60
			TF15-2PGD-S.14	DN15	20	2		1.60		
			TF20-2PGD-S.14	DN20	20	3		1.60		
₽			TF25-2PGD-S.14	DN25	20	5		1.60		
V 25			TF32-2PGD-S.14	DN32	20	8		1.60		
PN25, Medium Temp.			TF40-2PGD-S.14	DN40	20	20		1.60		
diu			TF50-2PGD-S.14	DN50	20	31		1.60		
n Te			TF65-2PGD-S.14	DN65	40	50		1.60		
amp.			TF80-2PGD-S.14	DN80	40	80		1.60		
			TF100-2PGD-S.14 TF125-2PGD-S.14	DN100 DN125	40 40	125 200		1.60 1.60		
2 °C			TF125-2PGD-S.14 TF150-2PGD-S.14	DN125 DN150	40	300		1.60		
2			TF200-2PGD-S.14	DN100	60	600			1.60	
450°C	Flanged Supper High-temp.		TF250-2PGD-S.14	DN250	60	750			1.60	
ဂံ	Steam Valve		TF300-2PGD-S.15	DN300	100	1200				1.60
			TF350-2PGD-S.15	DN350	100	1800				1.60
			TF400-2PGD-S.15	DN400	100	2200				1.60

*Remark: ¹⁾DN15 valve has various types according to the Kvs, such as 0.63, 1.0,1.6,2.5. If the KVS 0.63 is selectable, just add it after the regular type, eg: TF15-2VGC-S.12-KVS0.63



			Series				TW3000	TW5000
	-			r Rated Stroke)		50mm	70mm
	Flange	d VV	ater Nomina	I Output Force)		3000N	5000N
	Va Low noi	alve se s	series					
							S	
			Proportiona 0(2)~10VD	al Type C,0(4)~20mA			TW3000-XD24-S.14	TW5000-XD24-S.14
	PN	V16	3-position 1	Type (on/off)			TW3000-XD24-S.14	TW5000-XD24-S.14
			RS485 bus	and NFC(optional)			TW3000-XD24-S485.14	TW5000-XD24-S485.14
			2 SPDT Fe	edback Function(op	otional)		TW3000-XD24-SF2.14	TW5000-XD24-SF2.14
	Valve Body		Туре	DN	Valve Stroke	Max.Flow Parameter Kvs	∆Ps	∆Ps
				[mm]	[mm]	[m ³ /h]	[MPa]	[mPa]
PZ			TF32-3VGC-S.14-D	DN32	20	16	1.60	
16,			TF40-3VGC-S.14-D	DN40	20	25	1.60	
Me			TF50-3VGC-S.14-D	DN50	20	40	1.10	
lin i			TF65-3VGC-S.14-D	DN65	20	63	0.90	
n Te			TF80-3VGC-HS.14-D	DN80	30	100	0.55	
mp.			TF100-3VGC-HS.14-D	DN100	40	160	0.35	
PN16, Medium Temp25			TF125-3VGC-HS.14-D	DN125	40	250	0.24	0.35
റ്	3-port flange		TF150-3VGC-HS.14-D	DN150	40	350	0.15	0.25
~ 130°C	water valve(mixing) Low noise series ²⁾		TF200-3VGC-HS.14-D	DN200	40	520		0.15
ဂိ			TF250-3VGC-HS.14-D	DN250	40	700		0.10
PZ			TF32-3VGC-S.14-D	DN32	20	16	0.80	
1 6,			TF40-3VGC-S.14-D	DN40	20	25	0.80	
Me	6		TF50-3VGC-S.14-D	DN50	20	40	0.55	
PN16, Medium Temp.			TF65-3VGC-S.14-D	DN65	20	63	0.30	
ו Ter			TF80-3VGC-FS.14-D	DN80	30	100	0.55	
np.			TF100-3VGC-FS.14-D	DN100	40	160	0.35	
-25			TF125-3VGC-FS.14-D	DN125	40	250	0.24	0.35
°,	3-port flange		TF150-3VGC-FS.14-D	DN150	40	350	0.15	0.25
~ 13	water valve(diverting) Low noise series ²⁾		TF200-3VGC-FS.14-D	DN200	40	520		0.15
130°C	2017 10100 001100		TF250-3VGC-FS.14-D	DN250	40	700		0.10

Flang Low n

PN25,Medium Temp. -25 $^\circ\text{C}$ ~ 130 $^\circ\text{C}$ PN25,Medium Temp. -25 $^\circ\text{C}$ ~ 130 $^\circ\text{C}$

Series

Flanged Water Valve Actuator Rated Stroke 50mm 70mm Nominal Output Force 3000N 5000N 5000N 5000N Low noise series 3000N 5000N 5000N PD:0100:0128 Series Series <t< th=""><th></th><th></th><th colspan="2"></th><th></th><th></th><th></th><th></th><th></th></t<>									
Valve Low noise series Icon Image: Noise series Image: Noise series <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>50mm</td><td>70mm</td></th<>								50mm	70mm
Value Low noise series Proprioral Type 0.29001/00/C.049-2014 TW 3000-X024-5.14 TW 3000-X024-5.14 PN25 0.2901/00/C.049-2014 TW 3000-X024-5.14 TW 3000-X024-5.14 TW 3000-X024-5.14 2901 Free Canker 3-points Fruits TW 3000-X024-5.14 TW 3000-X024-5.14 TW 3000-X024-5.14 2901 Free Canker 3-points Fruits TW 3000-X024-5.14 TW 3000-X024-5.14 TW 3000-X024-5.14 Valve Body Type DN Valve Stroke Max.Flow Parameter Ksr CAPs CAPs Valve Body Type DN Valve Stroke Max.Flow Parameter Ksr CAPs CAPs T1740-3YOD-S.14-D DN32 20 16 1.60 Trop Trop Trop-3 YoD-S.14-D DN40 20 25 1.60 Trop Trop-3 YoD-S.14-D DN55 20 63 0.90 Trop Trop-3 YoD-S.14-D DN80 30 100 0.55 Trop Trop-3 YOD-S.14-D DN105 40 250 0.24 0.35 T1750-3YOD-HS.14-D DN105 40 250 0.24 0.35 Trop 3.70 Trop 3.70 Trop 3.70 Trop 3.70 </td <td>Flange</td> <td>a vv</td> <td>ater N</td> <td>lomina</td> <td>I Output Force</td> <td>)</td> <td></td> <td>3000N</td> <td>5000N</td>	Flange	a vv	ater N	lomina	I Output Force)		3000N	5000N
PN25 Bigg-100/EC (id)+20mA 3-point Type TW3000-X024-3:14 TW3000-X024-3:14 TW3000-X024-3:14 TW3000-X024-3:14 Valve Body Type DN Valve Stroke Max.Flow Framework Composition Composite and the stroke for stroke fo				con				7	
PN25 3-position Type (onioff) R5455 bus and MFC(optional) TW 3000-X024-S14 TW 5000-X024-S14 Valve Body Type DN Valve Stroke Max Flow [mm] Max Flow [mm] ΔPs Δ Valve Body TF32-3VGD-S 14-D DN Valve Stroke Max Flow [m3/h] Max Flow [m3/h] ΔPs Δ Feature Stroke Trade-3VGD-S 14-D DN32 2.0 16 1.60 Δ Sopot farge valer valvement valer valvement TF40-3VGD-S 14-D DN50 2.0 63 0.90 55 TF50-3VGD-S 14-D DN50 2.0 63 0.90 55 56 TF50-3VGD-S 14-D DN50 2.0 63 0.90 55 56 Te50-3VGD-HS 14-D DN50 2.0 63 0.90 56								TW3000-XD24-S.14	TW5000-XD24-S.14
TR348 bus and NFC(optional) TW3000-XD24-548.14 TW3000-XD24-548.14 Valve Body Type TM3000-XD24-548.14 TW3000-XD24-548.14 Valve Body Type DN Valve Stroke Max_Flow Parameter Max_Flow Colspan="4">Colspan="4">Colspan="4">Colspan="4">TW3000-XD24-548.14 TW5000-XD24-548.14 Valve Body Type DN Valve Stroke Max_Flow Parameter Max_Flow Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">Colspan="4">TW3000-XD24-548.14 TW3000-XD24-548.14 TW3000-XD24-548.14 TW3000-XD24-548.14 TW3000-XD24-548.14 TW3000-XD24-548.14 Colspan="4">Colspan="4">Colspan="4">Colspan="4">TW3000-XD24-548.14 TW3000-XD24-548.14 Colspan="4">Colspan="4">Colspan="4">Colspan="4">TW3000-XD24-548.14 TW3000-XD24-548.14 Colspan="4">TW3000-XD24-548.14 TW3000-XD24-548.14 TW3000-XD24-548.14 TW300-XD24-548.14 TW300-XD24-548.14 <td>PI</td> <td>125</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>TW3000-XD24-S.14</td> <td>TW5000-XD24-S.14</td>	PI	125						TW3000-XD24-S.14	TW5000-XD24-S.14
Valve Body Type DN Valve Stroke Max.Flow Parameter (mm) ΔPs ΔPs Imm [mm] [mm] [m ³ /n] [MPa] [mPa] Imm [mm] [mm] [m ³ /n] [MPa] [mPa] Imm [mm] [m ³ /n] [ma] [ma] Imm [mm] [m] [m] [m] [m] Imm [mm] [m] [m] [m] [m] [m] Imm [m] [m] [m] [m] [m] [m] Imm [m] [m] [m] [m] [m] [m] Imm [m] [m] <t< td=""><td></td><td>120</td><td>R</td><td>S485 bus</td><td>and NFC(optional)</td><td></td><td></td><td>TW3000-XD24-S485.14</td><td>TW5000-XD24-S485.14</td></t<>		120	R	S485 bus	and NFC(optional)			TW3000-XD24-S485.14	TW5000-XD24-S485.14
Value BodyTypeDNValue StrokeParameter KvsΔPsΔPsImm <t< td=""><td></td><td></td><td>2</td><td>SPDT Fe</td><td>edback Function(op</td><td>tional)</td><td></td><td>TW3000-XD24-SF2.14</td><td>TW5000-XD24-SF2.14</td></t<>			2	SPDT Fe	edback Function(op	tional)		TW3000-XD24-SF2.14	TW5000-XD24-SF2.14
Image: Series TF32-3VGD-S.14-D DN32 20 16 1.60 Image: Series	Valve Body		Туре				Parameter Kvs		∆Ps
Subscription TF40-3VGD-S.14-D DN40 20 25 1.60 3-port flange water valve(mixing) Low noise series TF50-3VGD-S.14-D DN50 20 40 1.10 TF10-3VGD-S.14-D DN55 20 63 0.90 1.60 TF80-3VGD-HS.14-D DN80 30 100 0.55 1.60 TF100-3VGD-HS.14-D DN100 40 160 0.35 1.60 TF100-3VGD-HS.14-D DN100 40 160 0.35 1.60 TF100-3VGD-HS.14-D DN100 40 350 0.15 0.25 TF100-3VGD-HS.14-D DN150 40 350 0.15 0.25 TF200-3VGD-HS.14-D DN200 40 520 0.15 0.25 TF200-3VGD-S.14-D DN200 40 700 0.10 16 TF40-3VGD-S.14-D DN20 20 16 0.80 1740-37 1740-37 1740-37 1740-37 1740-37 1740-37 1740-37 1740-37 1740-37 1740-37									[mPa]
Sport flange water TF50-3VGD-S.14-D DN50 20 40 1.10 3-port flange water valve(mixing) Low noise series Image: series </td <td></td> <td></td> <td>TF32-3VGD-S.14-D</td> <td></td> <td>DN32</td> <td></td> <td></td> <td>1.60</td> <td></td>			TF32-3VGD-S.14-D		DN32			1.60	
Sport flange water valve(mixing) TF32-3VGD-HS.14-D DN65 20 63 0.90 3-port flange water valve(mixing) Image: Construction of the state of the st	4		TF40-3VGD-S.14-D		DN40	20		1.60	
Sport flange water valve(mixing) TF80-3VGD-HS.14-D DN80 30 100 0.55 3-port flange water valve(mixing) TF100-3VGD-HS.14-D DN100 40 160 0.35 Low noise series TF150-3VGD-HS.14-D DN125 40 250 0.24 0.35 Low noise series TF50-3VGD-HS.14-D DN150 40 350 0.15 0.25 TF200-3VGD-HS.14-D DN200 40 520 0.15 0.25 TF250-3VGD-HS.14-D DN200 40 700 0.10 TF250-3VGD-HS.14-D DN250 40 700 0.10 TF40-3VGD-S.14-D DN22 20 16 0.80 TF50-3VGD-S.14-D DN40 20 25 0.80 TF65-3VGD-S.14-D DN50 20 63 0.455 TF80-3VGD-FS.14-D DN80 30 100 0.555 TF100-3VGD-FS.14-D DN100 40 160 0.35 TF125-3VGD-FS.14-D DN125 40 250 0.24			TF50-3VGD-S.14-D		DN50	20	40	1.10	
Sport flange water valve(mixing) TF100-3VGD-HS.14-D DN100 40 160 0.35 3-port flange water valve(mixing) Low noise series* TF125-3VGD-HS.14-D DN125 40 250 0.24 0.35 TF150-3VGD-HS.14-D DN150 40 350 0.15 0.25 TF200-3VGD-HS.14-D DN200 40 520 0.15 0.25 TF250-3VGD-HS.14-D DN250 40 700 0.10 0.10 TF32-3VGD-S.14-D DN250 40 700 0.10 0.10 TF40-3VGD-S.14-D DN40 20 25 0.80 0.15 TF50-3VGD-S.14-D DN50 20 40 0.555 0.15 TF65-3VGD-S.14-D DN65 20 63 0.455 0.16 TF100-3VGD-FS.14-D DN80 30 100 0.555 0.35 0.35 TF125-3VGD-FS.14-D DN100 40 160 0.335 0.35 0.35 0.35 0.35 TF125-3VGD-FS.14-D DN150 <					DN65	20	63	0.90	
Sport flange water valve(mixing) Low noise series* TF125-3VGD-HS.14-D DN125 40 250 0.24 0.35 TF150-3VGD-HS.14-D DN150 40 350 0.15 0.25 TF200-3VGD-HS.14-D DN200 40 520 0.15 0.15 TF250-3VGD-HS.14-D DN200 40 700 0.10 0.10 TF250-3VGD-HS.14-D DN200 40 700 0.10 0.10 TF32-3VGD-S.14-D DN200 40 700 0.10 0.10 TF40-3VGD-S.14-D DN32 20 16 0.80 0.10 TF50-3VGD-S.14-D DN40 20 25 0.80 0.10 TF50-3VGD-S.14-D DN50 20 40 0.55 0.15 TF60-3VGD-S.14-D DN65 20 63 0.45 0.15 TF120-3VGD-FS.14-D DN80 30 100 0.55 0.15 0.25 TF120-3VGD-FS.14-D DN125 40 250 0.24 0.35 0.15 <			TF80-3VGD-HS.14-D		DN80	30	100	0.55	
3-port flange water valve(mking) Low noise series* TF150-3VGD-HS.14-D DN150 40 350 0.15 0.25 TF200-3VGD-HS.14-D DN200 40 520 0.15 0.15 TF250-3VGD-HS.14-D DN250 40 700 0.10 0.10 TF32-3VGD-HS.14-D DN250 40 700 0.10 0.10 TF32-3VGD-HS.14-D DN250 40 700 0.10 0.10 TF400-3VGD-HS.14-D DN250 40 700 0.10 0.10 TF400-3VGD-HS.14-D DN32 20 16 0.80 0.10 0.10 TF50-3VGD-S.14-D DN40 20 25 0.80 0.10 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 0.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15 1.15			TF100-3VGD-HS.14-D		DN100	40	160	0.35	
water valve(mking) Low noise series* If 130-3V302-113, 14-D DN130 40 330 0.15 0.23 TF200-3VGD-HS, 14-D DN200 40 520 0.15 0.15 TF200-3VGD-HS, 14-D DN250 40 700 0.10 0.10 TF200-3VGD-S, 14-D DN32 20 16 0.80 0.10 TF50-3VGD-S, 14-D DN40 20 25 0.80 0.10 TF50-3VGD-S, 14-D DN50 20 40 0.55 0.15 TF50-3VGD-S, 14-D DN65 20 63 0.45 0.15 TF60-3VGD-FS, 14-D DN80 30 100 0.55 0.24 0.35 TF100-3VGD-FS, 14-D DN100 40 160 0.35 0.35 0.35 0.15 0.25 Water water water water (valve(diverting) TF150-3VGD-FS, 14-D DN150 40 350 0.15 0.25 TF200-3VGD-FS, 14-D DN150 40 350 0.15 0.25 TF150-3VGD-FS, 14-D	-		TF125-3VGD-HS.14-E)	DN125	40	250	0.24	0.35
Low noise series ⁵ TF200-3VGD-HS.14-D DN200 40 520 0.15 TF250-3VGD-HS.14-D DN250 40 700 0.10 TF250-3VGD-HS.14-D DN250 40 700 0.10 TF32-3VGD-S.14-D DN32 20 16 0.80 TF40-3VGD-S.14-D DN40 20 25 0.80 TF50-3VGD-S.14-D DN50 20 40 0.555 TF65-3VGD-S.14-D DN65 20 63 0.455 TF80-3VGD-FS.14-D DN80 30 100 0.555 TF100-3VGD-FS.14-D DN100 40 160 0.35 TF125-3VGD-FS.14-D DN100 40 160 0.35 TF100-3VGD-FS.14-D DN125 40 250 0.24 0.35 TF150-3VGD-FS.14-D DN150 40 350 0.15 0.25 TF150-3VGD-FS.14-D DN200 40 520 0.15 0.25			TF150-3VGD-HS.14-E)	DN150	40	350	0.15	0.25
TF32-3VGD-S.14-D DN32 20 16 0.80 TF40-3VGD-S.14-D DN40 20 25 0.80 TF50-3VGD-S.14-D DN50 20 40 0.55 TF65-3VGD-S.14-D DN65 20 63 0.45 TF80-3VGD-FS.14-D DN80 30 100 0.55 TF80-3VGD-FS.14-D DN80 30 100 0.55 TF100-3VGD-FS.14-D DN100 40 160 0.35 TF125-3VGD-FS.14-D DN105 40 250 0.24 0.35 TF150-3VGD-FS.14-D DN150 40 350 0.15 0.25 TF150-3VGD-FS.14-D DN150 40 350 0.15 0.25 TF150-3VGD-FS.14-D DN200 40 520 0.15 0.25			TF200-3VGD-HS.14-E)	DN200	40	520		0.15
TF40-3VGD-S.14-D DN40 20 25 0.80 TF50-3VGD-S.14-D DN50 20 40 0.55 TF65-3VGD-S.14-D DN65 20 63 0.45 TF80-3VGD-FS.14-D DN80 30 100 0.55 TF80-3VGD-FS.14-D DN80 30 100 0.55 TF100-3VGD-FS.14-D DN100 40 160 0.35 TF125-3VGD-FS.14-D DN125 40 250 0.24 0.35 TF150-3VGD-FS.14-D DN150 40 350 0.15 0.25 TF150-3VGD-FS.14-D DN150 40 350 0.15 0.25 TF200-3VGD-FS.14-D DN200 40 520 0.15 0.15			TF250-3VGD-HS.14-E)	DN250	40	700		0.10
TF50-3VGD-S.14-D DN50 20 40 0.55 TF65-3VGD-S.14-D DN65 20 63 0.45 TF65-3VGD-S.14-D DN80 30 100 0.55 TF100-3VGD-FS.14-D DN100 40 160 0.35 TF100-3VGD-FS.14-D DN105 40 250 0.24 0.35 TF150-3VGD-FS.14-D DN150 40 350 0.15 0.25 Valve(diverting) TF150-3VGD-FS.14-D DN125 40 250 0.15 0.25 TF100-3VGD-FS.14-D DN150 40 350 0.15 0.25 TF200-3VGD-FS.14-D DN200 40 520 0.15 0.15			TF32-3VGD-S.14-D		DN32	20	16	0.80	
TF65-3VGD-S.14-D DN65 20 63 0.45 TF80-3VGD-FS.14-D DN80 30 100 0.55 TF100-3VGD-FS.14-D DN100 40 160 0.35 TF125-3VGD-FS.14-D DN105 40 250 0.24 0.35 TF125-3VGD-FS.14-D DN150 40 350 0.15 0.25 Water TF150-3VGD-FS.14-D DN150 40 350 0.15 0.25 TF200-3VGD-FS.14-D DN200 40 520 0.15 0.25			TF40-3VGD-S.14-D		DN40	20	25	0.80	
TF80-3VGD-FS.14-D DN80 30 100 0.55 TF100-3VGD-FS.14-D DN100 40 160 0.35 3-port flange water TF125-3VGD-FS.14-D DN125 40 250 0.24 0.35 TF150-3VGD-FS.14-D DN150 40 350 0.15 0.25 valve(diverting) TF200-3VGD-FS.14-D DN200 40 520 0.15			TF50-3VGD-S.14-D		DN50	20	40	0.55	
TF100-3VGD-FS.14-D DN100 40 160 0.35 3-port flange water TF125-3VGD-FS.14-D DN125 40 250 0.24 0.35 10-25 TF150-3VGD-FS.14-D DN150 40 350 0.15 0.25 10-25 TF100-3VGD-FS.14-D DN150 40 350 0.15 0.25 10-25 TF200-3VGD-FS.14-D DN200 40 520 0.15 0.15			TF65-3VGD-S.14-D		DN65	20	63	0.45	
TF125-3VGD-FS.14-D DN125 40 250 0.24 0.35 3-port flange water TF150-3VGD-FS.14-D DN150 40 350 0.15 0.25 valve(diverting) TF200-3VGD-FS.14-D DN200 40 520 0.15 0.15			TF80-3VGD-FS.14-D		DN80	30	100	0.55	
3-port flange water TF150-3VGD-FS.14-D DN150 40 350 0.15 0.25 valve(diverting) TF200-3VGD-FS.14-D DN200 40 520 0.15			TF100-3VGD-FS.14-D)	DN100	40	160	0.35	
water TF100-3VGD-FS.14-D DN150 40 350 0.15 0.25 valve(diverting) TF200-3VGD-FS.14-D DN200 40 520 0.15			TF125-3VGD-FS.14-D)	DN125	40	250	0.24	0.35
valve(diverting) TF200-3VGD-FS.14-D DN200 40 520 0.15			TF150-3VGD-FS.14-D)	DN150	40	350	0.15	0.25
Low noise series*' TF250-3VGD-FS.14-D DN250 40 700 0.10	valve(diverting)		TF200-3VGD-FS.14-D)	DN200	40	520		0.15
	Low noise series ²⁾		TF250-3VGD-FS.14-D)	DN250	40	700		0.10

TW3000...

TW5000...

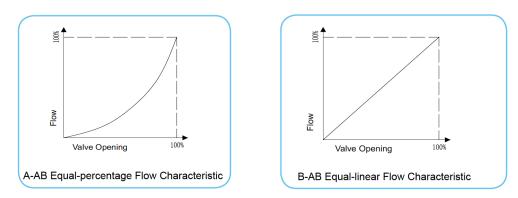
*Remark: ²¹Low noise series 3-port valve has the noise reduction function and suitable for the high pressure differential and high velocity environment with water medium.

contact@omeax.com http://www.omeax.com

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Omeax SARL, 27 avenue Monnot Prolongée, F-71100 Chalon-sur-Saone, FRANCE.

FLOW CHARACTERISTIC



RELATION BETWEEN DIFFERENTIAL PRESSURE AND FLOW

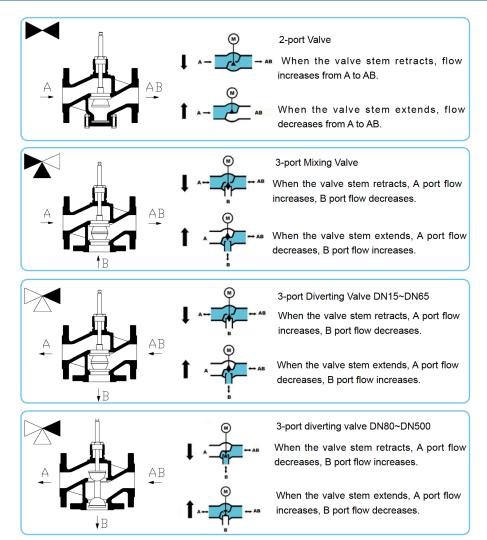
$$Kvs = \frac{V}{\sqrt{\frac{\triangle P}{100}}}$$

 $\triangle P$: Differential pressure when valve is full open (Unit: KPa)

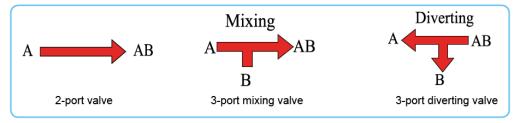
V: Rating flow at the $\triangle P$ (Unit: m³/h)

Kvs: Norminal flow coefficient, which refer to the flow when medium (Density= 1g/cm³) go through the full open control valve, whose $\triangle P$ is 100KvPa.

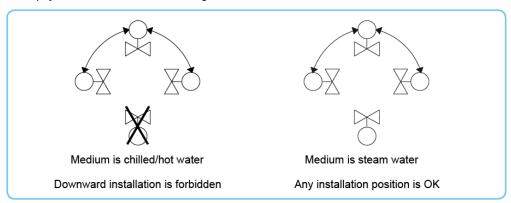
STRUCTURE CHARACTERISTIC



1. Please note that the medium flow direction in valve should be consistent with the medium of pipeline!

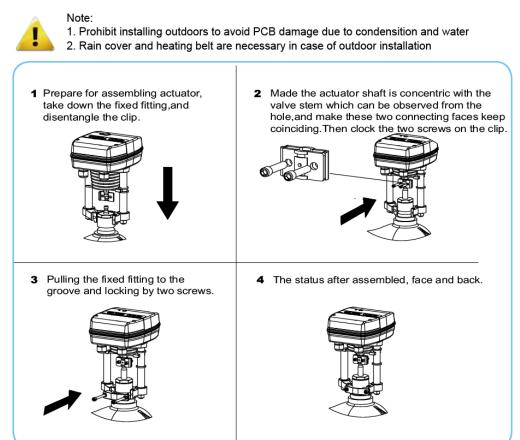


2. Please pay attention to the valve mounting orientation!



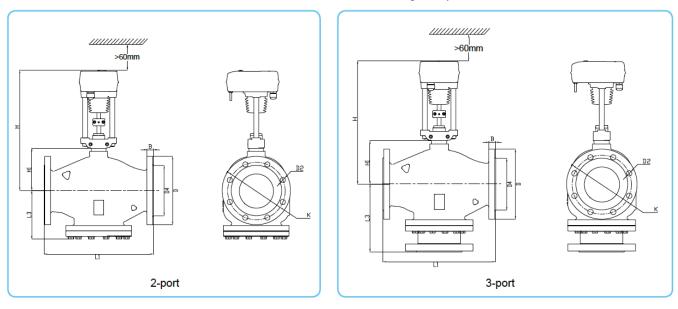
3. Valve can be installed on the water supply pipe or return water pipe (installed on the return water pipe can control the water flow more smoothly, meanwhile the return water temperature is lower which can extends the lifetime of valve). Besides, filter and check valve are recommended to be installed. When the medium is steam, install draw off valve in the pipe can remove the condensed water, or it will affect the lifetime of valve.

4. Valve and actuator can be assembled easily. Neither need any special tools nor need to do any adjustment.



Item	Model	Description
Rain Cover	TRAIN-1	To prevent the actuator from rain
Heating Belt	THOT-3	To prevent condensation inside, the heating belt is built-in before delivery

DIMENSION FIGURE

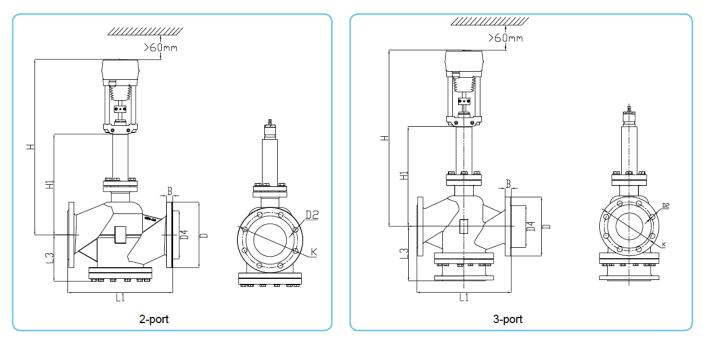


Chilled/hot water valve、180°C Steam valve、220°C High-Temp. Steam valve series

PN16 Series								2 port	2 port		2-port	3-port	н	н	н	н
	DN	В	D	D2	D4	Κ	L1	2-port L3	3-port L3'	H1	Weight	Weight	п 600/1000N	п 3000N	5000N	16000N
	(PN16)	mm	mm	mm	mm	mm	mm	mm	mm		Kg	Kg	mm	mm	mm	mm
	15	14	95	4-14	46	65	130	70	106	41	3.6	4.5	296	326	1	1
	20	16	105	4-14	56	75	150	70	106	46	4.6	5.7	301	331	1	/
	25	16	115	4-14	65	85	160	75	111	48	5.2	6.3	303	333	1	/
	32	18	140	4-19	76	100	180	80	121	59	7.4	9.4	314	344	1	/
	40	18	150	4-19	84	110	200	82	122	50	9.4	11.7	305	335	1	/
	50	20	165	4-19	99	125	230	98	136	60	13	15.6	315	345	1	/
	65	20	185	4-19	118	145	290	112	156	90	20	24	365	375	1	/
	80	22	200	8-19	132	160	310	130	185	120	31	34	395	405	1	/
	100-2-port	23	220	8-19	156	180	350	150	1	136	46	1	/	421	1	1
	100-3-port	23	220	8-19	156	180	350	1	202	164	1	49	/	449	1	1
	125	24	250	8-19	184	210	400	175	240	157	59	63	/	442	1	1
	150	25	285	8-23	211	240	480	200	270	171	77	82	/	456	1	/
	200	26	340	12-23	266	295	500	229	315	185	122	129	/	470	490	/
	250	31	405	12-28	319	355	600	260	370	205	185	195	/	490	510	1
	300	28	460	12-28	370	410	700	322	457	358	300	1	/	/	663	941
	350	36	520	16-28	429	470	788	402	521	438	500	/	/	/	743	1021
	400	40	580	16-31	480	525	912	424	578	487	715	1	/	/	1	1070
	450	45	640	20-31	548	585	980	481	643	487	790	1	/	/	1	1070
	500	45	715	20-34	609	650	985	504	663	473	926	1	/	/	1	1056
PN25 Series									a (• •	a 1				
	DN	в	D	D2	D4	к	L1	2-port L3	3-port L3'	H1	2-port Weight	3-port	H 600/1000N	H 3000N	H 5000N	H 16000N
	(PN25)	mm	mm	mm	mm	mm	mm	mm	mm		Kg	Kg	mm	mm	mm	mm
	15	14	95	4-14	46	65	130	70	106	41	3.6	4.5	296	326	/	/
	20	16	105	4-14	56	75	150	70	106	46	4.6	5.7	301	331	1	1
	25	16	115	4-14	65	85	160	75			5.2	6.3	303	333	1	1
	32	18	140	4-19	76	100				18						/
	40		140				180		111	48 59					,	1
		18 1	150	1-19			180	80	121	59	7.4	9.4	314	344	1	
	50	18 20	150 165	4-19 4-19	84	110	200	80 82	121 122	59 50	7.4 9.4	9.4 11.7	314 305	344 335	,	
	50 65	20	165	4-19	84 99	110 125	200 230	80 82 98	121 122 136	59 50 60	7.4 9.4 13	9.4 11.7 15.6	314 305 315	344 335 345	1	
	65	20 20	165 185	4-19 8-19	84 99 118	110 125 145	200 230 290	80 82 98 112	121 122 136 156	59 50 60 90	7.4 9.4 13 20	9.4 11.7 15.6 24	314 305 315 365	344 335 345 375	1	
	65 80	20 20 22	165 185 200	4-19 8-19 8-19	84 99 118 132	110 125 145 160	200 230 290 310	80 82 98 112 130	121 122 136	59 50 60 90 120	7.4 9.4 13 20 31	9.4 11.7 15.6	314 305 315	344 335 345 375 405	1	
	65 80 100-2-port	20 20 22 23	165 185 200 235	4-19 8-19 8-19 8-23	84 99 118 132 156	110 125 145 160 190	200 230 290 310 350	80 82 98 112 130 150	121 122 136 156 185 /	59 50 60 90 120 136	7.4 9.4 13 20 31 46	9.4 11.7 15.6 24 34 /	314 305 315 365 395 /	344 335 345 375 405 421	1	
	65 80 100-2-port 100-3-port	20 20 22 23 23	165 185 200 235 235	4-19 8-19 8-19 8-23 8-23	84 99 118 132 156 156	110 125 145 160 190 190	200 230 290 310 350 350	80 82 98 112 130 150 /	121 122 136 156 185 / 202	59 50 60 90 120 136 164	7.4 9.4 13 20 31 46 /	9.4 11.7 15.6 24 34 / 49	314 305 315 365 395	344 335 345 375 405 421 449	 	
	65 80 100-2-port	20 20 22 23	165 185 200 235	4-19 8-19 8-19 8-23	84 99 118 132 156 156 184	110 125 145 160 190 190 220	200 230 290 310 350	80 82 98 112 130 150	121 122 136 156 185 /	59 50 60 90 120 136	7.4 9.4 13 20 31 46	9.4 11.7 15.6 24 34 /	314 305 315 365 395 / /	344 335 345 375 405 421		
	65 80 100-2-port 100-3-port 125	20 20 22 23 23 23 24	165 185 200 235 235 235 270 300	4-19 8-19 8-23 8-23 8-23 8-28 8-28	84 99 118 132 156 156 184 211	110 125 145 160 190 190 220 250	200 230 290 310 350 350 400 480	80 82 98 112 130 150 / 175	121 122 136 156 185 / 202 240 270	59 50 60 90 120 136 164 157	7.4 9.4 13 20 31 46 / 59	9.4 11.7 15.6 24 34 / 49 63 82	314 305 315 365 395 / /	344 335 345 375 405 421 449 442 456		
	65 80 100-2-port 100-3-port 125 150	20 20 22 23 23 24 25	165 185 200 235 235 270	4-19 8-19 8-23 8-23 8-23 8-28 8-28 12-28	84 99 118 132 156 156 184	110 125 145 160 190 190 220	200 230 290 310 350 350 400	80 82 98 112 130 150 / 175 200	121 122 136 156 185 / 202 240	59 50 60 90 120 136 164 157 171	7.4 9.4 13 20 31 46 / 59 77	9.4 11.7 15.6 24 34 / 49 63	314 305 315 365 395 / / / / /	344 335 345 375 405 421 449 442	 	
	65 80 100-2-port 100-3-port 125 150 200 250	20 20 22 23 23 23 24 25 26 31	165 185 200 235 235 270 300 360 425	4-19 8-19 8-23 8-23 8-23 8-28 8-28 12-28 12-31	84 99 118 132 156 156 184 211 274 330	110 125 145 160 190 220 250 310 370	200 230 290 310 350 350 400 480 500 600	80 82 98 112 130 150 / 175 200 229 260	121 122 136 156 185 / 202 240 270 315 370	59 50 60 90 120 136 164 157 171 185 205	7.4 9.4 13 20 31 46 / 59 77 77 122 185	9.4 11.7 15.6 24 34 / 49 63 82 129	314 305 315 365 395 / / / / / /	344 335 345 375 405 421 449 442 456 470	/ / / / / / / / / / / 490 510	
	65 80 100-2-port 100-3-port 125 150 200	20 20 22 23 23 23 24 25 26	165 185 200 235 235 270 300 360	4-19 8-19 8-23 8-23 8-23 8-28 8-28 12-28	84 99 118 132 156 156 184 211 274	110 125 145 160 190 220 250 310	200 230 290 310 350 350 400 480 500	80 82 98 112 130 150 / 175 200 229	121 122 136 156 185 / 202 240 270 315	59 50 60 90 120 136 164 157 171 185	7.4 9.4 13 20 31 46 / 59 77 77 122	9.4 11.7 15.6 24 34 / 49 63 82 129 195	314 305 315 365 395 / / / / / / / /	344 335 345 375 405 421 449 442 456 470 490	/ / / / / / / / / / / / 490	
	65 80 100-2-port 125 150 200 250 300	20 20 22 23 23 23 24 25 26 31 28	165 185 200 235 235 270 300 360 425 485 555	4-19 8-19 8-23 8-23 8-23 8-28 8-28 12-28 12-31 16-31 16-34	84 99 118 132 156 156 184 211 274 330 389 448	110 125 145 160 190 220 250 310 370 430 490	200 230 310 350 350 400 480 500 600 700 788	80 82 98 112 130 150 / 175 200 229 260 322	121 122 136 156 185 / 202 240 270 315 370 457	59 50 60 90 120 136 164 157 171 185 205 358	7.4 9.4 13 20 31 46 / 59 77 122 185 300 500	9.4 11.7 15.6 24 34 / 49 63 82 129 195 /	314 305 315 365 395 / / / / / / / / / /	344 335 345 375 405 421 449 442 456 470 490 /	/ / / / / / / / / / / / / / / / / / /	/ / / / / / / / / / / / / / / / / / /
	65 80 100-2-port 125 150 200 250 300 350 400	20 20 22 23 23 24 25 26 31 28 36 40	165 185 200 235 270 300 360 425 485 555 620	4-19 8-19 8-23 8-23 8-28 8-28 12-28 12-28 12-31 16-31 16-34 16-37	84 99 118 132 156 156 184 211 274 330 389 448 503	110 125 145 160 190 220 250 310 370 430 490 550	200 230 310 350 350 400 480 500 600 700 788 912	80 82 98 112 130 150 / 175 200 229 260 322 402 424	121 122 136 156 185 / 202 240 270 315 370 457 521 578	59 50 60 90 120 136 164 157 171 185 205 358 438 487	7.4 9.4 13 20 31 46 / 59 77 122 185 300 500 715	9.4 11.7 15.6 24 34 / 49 63 82 129 195 / / / /	314 305 315 365 / / / / / / / / / / / / / /	344 335 345 375 405 421 449 442 456 470 490 / / / /	/ / / / / / / / / / / / / / / / / / /	/ / / / / / / / / / / / / / / / / / /
	65 80 100-2-port 125 150 200 250 300 350	20 20 22 23 23 24 25 26 31 28 36	165 185 200 235 235 270 300 360 425 485 555	4-19 8-19 8-23 8-23 8-23 8-28 8-28 12-28 12-31 16-31 16-34	84 99 118 132 156 156 184 211 274 330 389 448	110 125 145 160 190 220 250 310 370 430 490	200 230 310 350 350 400 480 500 600 700 788	80 82 98 112 130 150 / 175 200 229 260 322 402 200	121 122 136 156 185 / 202 240 270 315 370 457 521	59 50 90 120 136 164 157 171 185 205 358 438	7.4 9.4 13 20 31 46 / 59 77 122 185 300 500	9.4 11.7 15.6 24 34 / 49 63 82 129 195 / / /	314 305 315 365 / / / / / / / / / / / / / / /	344 335 345 375 405 421 449 442 456 470 490 / /	/ / / / / / / / / / / / / / / / / / /	/ / / / / / / / / / / / / / / / / / /

Remark: 600N/1000N/3000N/5000N actuator shall reserve at least 60mm installation space; 255mm installation space should be reserved for 16000N.

450°C Super-High-Temp. Steam valve



PN16 Series

DN (PN16)	B mm	D mm	D2 mm	D4 mm	K mm	L1 mm	2-port L3 mm	3-port L3' mm	H1	2-port Weight Kg	3-port Weight Kg	H 3000N mm	H 5000N mm	H 16000N mm
25	16	115	4-14	65	85	160	75	111	140	5.2	6.3	425	1	/
32	18	140	4-19	76	100	180	80	121	140	7.4	9.4	425	/	/
40	18	150	4-19	84	110	200	82	122	165	9.4	11.7	450	/	/
50	20	165	4-19	99	125	230	98	136	195	13	15.6	480	/	/
65	20	185	4-19	118	145	290	112	156	240	20	24	525	/	/
80	22	200	8-19	132	160	310	130	185	265	31	34	550	/	/
100-2-port	23	220	8-19	156	180	350	150	/	372	46	/	657	/	/
100-3-port	23	220	8-19	156	180	350	1	202	295	/	49	580	/	/
125	24	250	8-19	184	210	400	175	240	384	59	63	669	/	/
150	25	285	8-23	211	240	480	200	270	412	77	82	697	/	/
200	26	340	12-23	266	295	500	236	320	455	122	129	1	760	/
250	31	405	12-28	319	355	600	290	400	498	185	195	1	803	/
300	28	460	12-28	370	410	700	322	457	650	300	1	1	955	1233
350	46	520	16-28	429	470	788	402	520	837	500	1	1	1142	1420
400	48	580	16-31	480	525	912	424	595	867	715	1	1	1	1450

PN25 Series

s	DN (PN25)	B mm	D mm	D2 mm	D4 mm	K mm	L1 mm	2-port L3 mm	3-port L3' mm	H1	2-port Weight Kg	3-port Weight Kg	H 3000N mm	H 5000N mm	H 16000N mm
	25	16	115	4-14	65	85	160	75	111	140	5.2	6.3	425	/	1
	32	18	140	4-19	76	100	180	80	121	140	7.4	9.4	425	/	/
	40	18	150	4-19	84	110	200	82	122	165	9.4	11.7	450	/	/
	50	20	165	4-19	99	125	230	98	136	195	13	15.6	480	/	/
[65	20	185	8-19	118	145	290	112	156	240	20	24	525	/	/
	80	22	200	8-19	132	160	310	130	185	265	31	34	550	/	/
[100 ₋ 2-port	23	235	8-23	156	190	350	150	/	372	46	/	657	/	/
	100-3-port	23	235	8-23	156	190	350	- 1	202	295	1	49	580	/	/
	125	24	270	8-28	184	220	400	175	240	384	59	63	669	/	/
	150	25	300	<mark>8-</mark> 28	211	250	480	200	270	412	77	82	697	/	/
	200	26	360	12-28	274	310	500	236	320	455	122	129	/	760	/
	250	31	425	12-31	330	370	600	290	400	498	185	195	/	803	/
	300	28	485	16-31	389	430	700	322	457	650	300	/	/	955	1233
	350	36	555	16-34	448	490	788	402	520	837	500	/	/	1142	1420
	400	40	620	16-37	503	550	912	424	595	867	715	/	/	/	1450

Remark: 600N/1000N/3000N/5000N actuator shall reserve at least 60mm installation space; 255mm installation space should be reserved for 16000N.



 Operating Parameters 	
Caliber range	DN15~DN500
Permissible pressure	PN16,PN25 are optional
Connection standard	Flanged connection ISO7005-2
Leakage rate -25 ~ 130°C, -2 ~ 180°C 2-port valve -25 ~ 130°C, -2 ~ 180°C 3-port valve 2 ~ 220°C, 2 ~ 450°C 2/3-port valve	≤00.01% Kvs ≤00.02% Kvs ≤00.05% Kvs
Permissible medium Water valve (-25~130°C) Steam valve (2~180°C)	Chilled/hot water, glycol under 50% Saturated steam(<0.69MPa), Overheated steam (<180°C)
Steam valve(2~220°C) Steam valve(2~450°C)	Overheated steam(≤220℃) Overheated steam(≤450℃)
Rangeability	>100:1
Flow characteristic	A-AB equal-percentage flow characteristic B-AB equal-linear flow characteristic
Life cycles	100 thousand cycles

Valve body	Ductile iron QT450-10	
Valve stem	Stainless steel	
Valve core	Stainless steel	
Sealing ring	PTFE	