ENGINEERING
TOMORROW

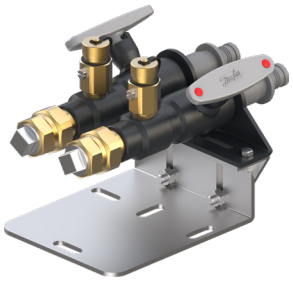
Data sheet

Taylor made JIP™ ball valves for house connection with AluPEX & Copper pre-insulated pipes by Logstor, Isoplus & other PEX pipes SDR11* (PN 25, 40)

Description



TWIN ball valves





Branching valve

Danfoss Taylor made JIP™ Twin and Branching ball valves range of reduced bore shut off valves developed for easy and fast connection to the Logstor and Isoplus preinsulated AluPEX, PEXFlextra and Copper pipes in District Heating and District Cooling networks.
TWIN ball valves are designed for safe & reliable DH network set up and connection of the subscribers to the DH network with single and double (Twin) pipe connection.
Branching ball valves are designed for extensions of district heating systems and other closed loop water systems.
Having a fully welded body, the valves meet the requirements for valves used in district heating and district cooling systems and offer the highest degree of security.

The valve design makes them ideal for building installation and network extension due to:

- High level of safety & low risk of leakage due to use of original factory welded & pressure tested press fit connection fittings
- Energy saving: with optimum flow design valves have highest Kvs on the market and consequently lowest pump energy costs
- Long lifetime and optimal tightness due to design and material selection in ball seal (carbon reinforced PTFE) and graphite stem seal (Twin valves)
- The valves are maintenance free

TWIN valve features:
Internal thread / AluPEX/PEX
Flextra/CuFLEX press fit connection for:

- AluPEX pipes 20, 26 and 32 by LOGSTOR
- AluPEX (Isoalupex) pipes 20, 25 and 32 by ISOPLUS
- PEXFlextra pipes 25 and 32 by LOGSTOR and PEX pipes SDR11 25 and 32 by other pipe manufacturers
- CuFLEX copper preinsulated pipes Ø18 and Ø22 by LOGSTOR
- Compact products due the special design of the valve with integrated original press fit connection piece
- T-shape ergonomic handle with red/blue indicators for flow and return pipe
- Available also versions with end plugs and draining valve
- 90° end stop

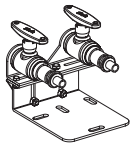
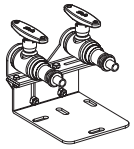
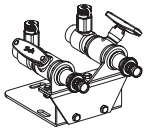
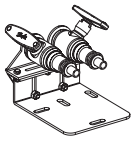
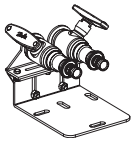
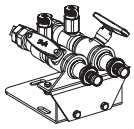
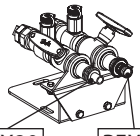
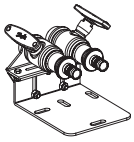
Branching valve features:
Welded / AluPEX press fit connection for:

- AluPEX pipes 20, 26 by LOGSTOR
- AluPEX (Isoalupex) pipes 20 and 25 by ISOPLUS
- External stem hexagon for easy operation on all dimensions
- Visible position indicator of the ball on the stem
- -90° end stop
- Safe & reliable connection, compliant to EN 488

Ordering
TWIN valves for single and double (twin) pipes

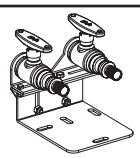
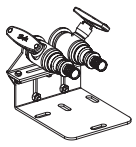
Twin valves for LOGSTOR preinsulated pipes (AluPEX)

JIP IP internal thread / AluPEX press fit

Use	Picture	Description	DN	PN	Connection type & size (Internal thread/PEX)	Additional features	Code No.
Single pipe		JIP-IP DN 15 TWS PN40 T PEX20 LOG	15	40	Rp 1/2" / AluPEX 20	-	**065N0081**
		JIP-IP TWS DN 20 PN40 T PEX20 LOG	20		Rp 3/4" / AluPEX 20	-	**065N4013**
		JIP-IP DN 20 TWS PN40 T PEX26 LOG			Rp 3/4"/ AluPEX 26	-	**065N4077**
		JIP-IP DN 20 TWS PN25 T PEX26 DV LOG		25	Rp 3/4"/ AluPEX 26	Draining valves	**065N0091**
Double (TWIN) pipe		JIP-IP DN 15 TWD PN40 T PEX20 LOG	15	40	Rp 1/2"/ Alu PEX 20	-	**065N0080**
		JIP-IP DN 20 TWD PN40 T PEX20 LOG	20		Rp 3/4"/ AluPEX 20	-	**065N4053**
		JIP-IP DN 20 TWD PN40 T PEX26 LOG			Rp 3/4"/ AluPEX 26	-	**065N7025**
		JIP-IP DN 20 TWD PN25 T PEX26 DVP LOG		25	Rp 3/4"/ AluPEX 26	End plugs & Draining valves	**065N7237**
	 PEX20 PEX26	JIP-IP DN 20 TWD PN25 T PEX20/26 DVP LOG			Rp 3/4"/ AluPEX 20/26	End plugs & Draining valves	**065N4082**
		JIP-IP DN 25 TWD PN40 T PEX32 LOG	25	40	Rp 1"/ AluPEX 32	-	**065N7027**

Twin valves for preinsulated PEX pipes (e.g. LOGSTOR PEXFlextra)

JIP IP internal thread / PEX press fit (*SDR11 acc. to ISO 14531-1:2002)

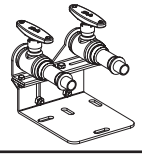
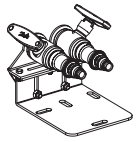
Use	Picture	Description	DN	PN	Connection type & size (Internal thread/CuFLEX)	Code No.
Single pipe		JIP-IP DN 20 TWS PN40 T P-FLEX25 LOG	20	40	Rp 3/4" / PE-Xa 25 (SDR11)	**065N0391**
		JIP-IP DN 25 TWS PN40 T P-FLEX32 LOG	25		Rp 1"/ PE-Xa 32 (SDR11)	**065N0392**
Double (TWIN) pipe		JIP-IP DN 20 TWD PN40 T P-FLEX25 LOG	20	40	Rp 3/4" / PE-Xa 25 (SDR11)	**065N0394**
		JIP-IP DN 25 TWD PN40 T P-FLEX32	25		Rp 1"/ PE-Xa 32 (SDR11)	**065N0395**

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Ordering *(continious)*

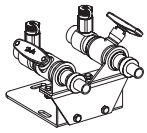
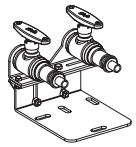
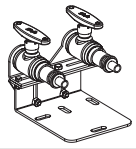
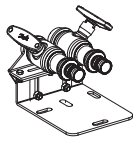
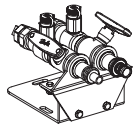
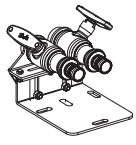
Twin valves for LOGSTOR CuFLEX preinsulated pipes (Copper)

JIP IP internal thread / CuFLEX press fit

Use	Picture	Description	DN	PN	Connection type & size (Internal thread/CuFLEX)	Code No.
Single pipe		JIP-IP DN 20 TWS PN40 T CU22 LOG	20	40	Rp 3/4" / CuFLEX Ø22	**065N4081**
Double (TWIN) pipe		JIP-IP DN 20 TWD PN40 T CU18 LOG	20	40	Rp 3/4" / CuFLEX Ø18	**065N7017**
		JIP-IP DN 20 TWD PN40 T CU22 LOG			Rp 3/4" / CuFLEX Ø22	**065N7021**

Twin valves for ISOPLUS preinsulated pipes (isoalupex)

JIP IP internal thread / AluPEX press fit

Use	Picture	Description	DN	PN	Connection type & size (Internal thread/PEX)	Additional features	Code No.
Single pipe		JIP-IP DN 20 TWS PN25 T PEX25 DV ISO	20	25	Rp 3/4"/ isoalupex 25	Draining valves	**065N0090**
		JIP-IP DN 20 TWS PN40 T PEX25 ISO		40	Rp 3/4"/ isoalupex 25	-	**065N0075**
		JIP-IP DN 25 TWS PN40 T PEX32 ISO	25		Rp 1"/ isoalupex 32	-	**065N0085** [1]
Double (TWIN) pipe		JIP-IP DN 20 TWD PN40 T PEX20 ISO	20	40	Rp 3/4"/ isoalupex 20	-	**065N0064**
		JIP-IP DN 20 TWD 45 PN40 T PEX25 ISO			Rp 3/4"/ isoalupex 25		**065N0074**
		JIP-IP DN 20 TWD PN25 T PEX25 DVP ISO		25	Rp 3/4"/ isoalupex 25	End plugs & Draining valves	**065N4083**
		JIP-IP DN 25 TWD PN40 T PEX32 ISO	25	40	Rp 1"/ isoalupex 32	-	**065N0084** [1]

[1] *Valves with draining valves have the wall mount bracket rotated for 180°.*

Ordering

BRANCHING valves for AluPEX pipes

Branching valves for LOGSTOR AluPEX preinsulated pipes

JIP WP welding / AluPEX press fit

Picture	Description	DN	PN	Connection type & size (Internal thread/PEX)	Code No.
	JIP-WP BR DN20 PN40 PEX20 LOG	20	40	Welding end/AluPEX 20	**065N0096**
	JIP-WP BR DN20 PN40 PEX26 LOG			Welding end/AluPEX 26	**065N0097**
	JIP-WP BR DN25 PN40 PEX26 LOG	25		Welding end/AluPEX 26	**065N0099**

Branching valves for ISOPLUS preinsulated pipes (isoalupex)

JIP WP welding / AluPEX press fit

Picture	Description	DN	PN	Connection type & size (Internal thread/PEX)	Code No.
	JIP-WP BR DN20 PN40 PEX20 ISO	20	40	Welding end/isoalupex 20	**065N0066**
	JIP-WP DN 20 PN40 PEX25 ISO	20	40	Welding end/isoalupex 25	**065N0076**

Insulation covers

Picture	Description	Fit to valve DNs	Material	Code No.
	JIP-ACC insulation TWD DN15-20 I-p 12pcs	15, 20	Extruded polypropylene (EPP)	**065N8326**
	JIP-ACC insulation TWS DN15-20 I-p 12pcs			**065N8327**

Insulation packed in industry pack (12pcs/pack)

Technical data

DN [mm]	15	20	25
K_{VS} [m^3/h]	11	15	34
PN	25/40		
Temp range	0-180 °C [1]		
Medium	Circulation water / glycolic water up to 50 %		

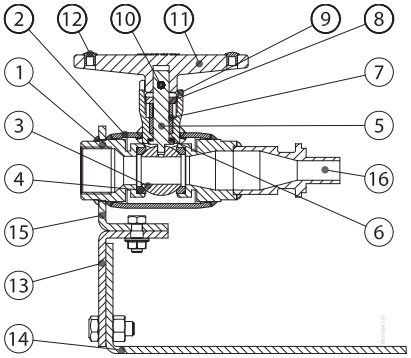
[1] *Max. operating temperature and differential pressure limited by the Logstor/Isoplus preinsulated pipe specification (90°C/ Δp 10 bar)*

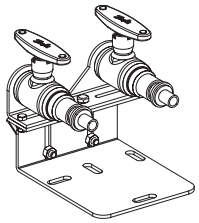
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Design & Material

	Name	Material
1	Internal thread connection end	[1] Weldable mild steel 20#
2	Shell	[1] Weldable mild steel 20#
3	Ball	Stainless steel
4	Ball seal	Carbon reinforced PTFE
5	Stem	Stainless steel
6	Washer	Carbon reinforced PTFE
7	Stem sealing rings	Graphite
8	Compression nut	Steel
9	Packing box	[1] Weldable mild steel 20#
10	Pin	Spring steel
11	T-Handle	Silumin
12	Red/blue button (flow/return mark)	Plastic
13	Support bracket	Steel/zinc coated
14	Wall Mounting/guiding rail	Steel/zinc coated
15	Sliding yoke (left/right)	Steel/zinc coated
16	Press fitting	Structural Mg Steel

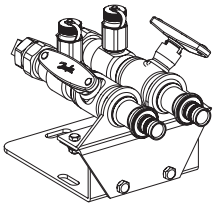
TWIN valve standard version without draining valves and/or end plugs

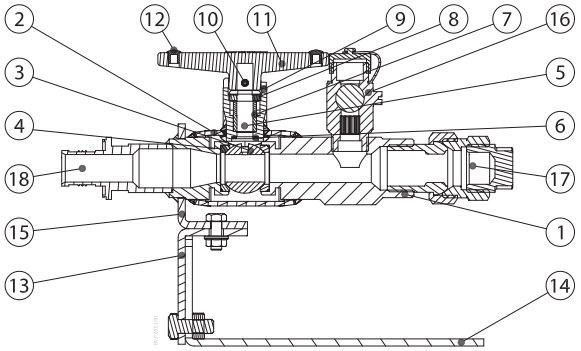




	Name	Material
1	Internal thread connection end	[1] Weldable mild steel 20#
2	Shell	[1] Weldable mild steel 20#
3	Ball	Stainless steel
4	Ball seal	Carbon reinforced PTFE
5	Stem	Stainless steel
6	Washer	Carbon reinforced PTFE
7	Stem sealing rings	Graphite
8	Compression nut	Steel
9	Packing box	[1] Weldable mild steel 20#
10	Pin	Spring steel
11	T-Handle	Silumin
12	Red/blue button (flow/return mark)	Plastic
13	Support bracket	Steel/zinc coated
14	Wall Mounting/guiding rail	Steel/zinc coated
15	Sliding yoke (left/right)	Steel/zinc coated
16	Draining valve	Brass alloy
17	End plug	Brass alloy
18	Press fitting	Structural Mg Steel

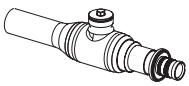
TWIN valve version with draining valve and/or end plugs

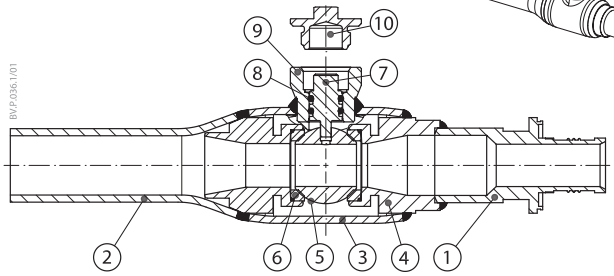




	Name	Material
1	Press fitting	Structural Mg Steel
2	Welding end	[1] Weldable mild steel 20#
3	Shell	[1] Weldable mild steel 20#
4	Ball seal retainer	[1] Weldable mild steel 20#
5	Ball	Stainless steel
6	Ball seal	Carbon reinforced PTFE
7	Steam	Stainless steel
8	O-ring	EPDM
9	Packing box	[1] Weldable mild steel 20#
10	Plug	[1] Weldable mild steel 20#

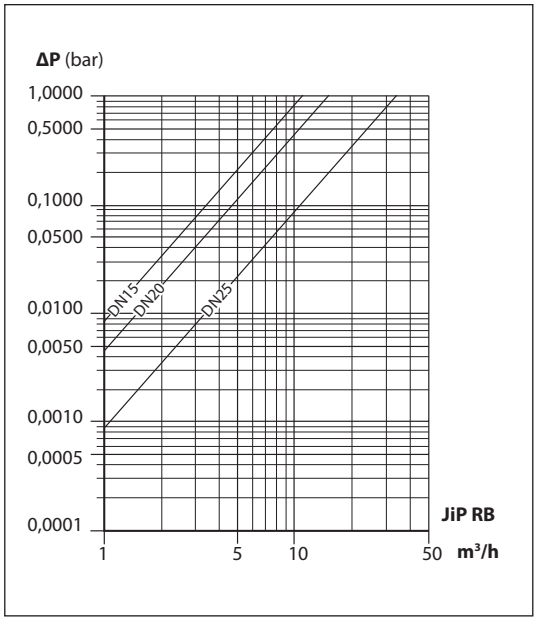
Branching valve





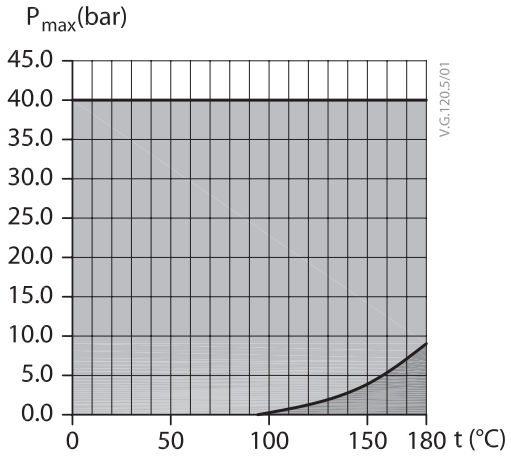
[1] According to the GB/T8163. Or equivalent mild steel in accordance with CE-PED Press fit brass rings are enclosed to the valve

Technical data
Pressure drop/flow

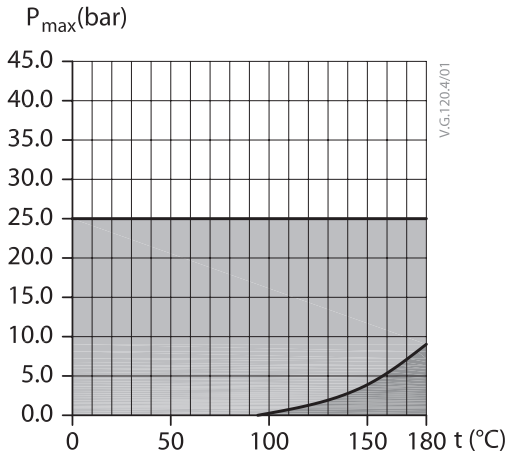


Pressure/temperature
JIP-IP , JIP-WP

DN 15-25, PN 40



DN 15-25, PN 25



Legend:

Normal operating area (water)
Steam area

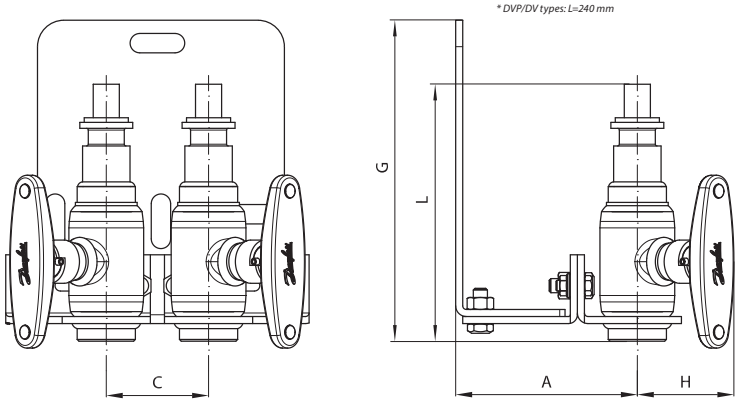
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Dimensions

Twin valves for AluPEX, PEXFlex and CuFLEX double (TWIN) pipe

DN	A (mm)	C (mm)	H (mm)	G (mm)	L (mm)	Weight (kg)
PN 40, PN 25						
15	100-145	58	55	190	150 *	2.7
20						
25			60			2.9

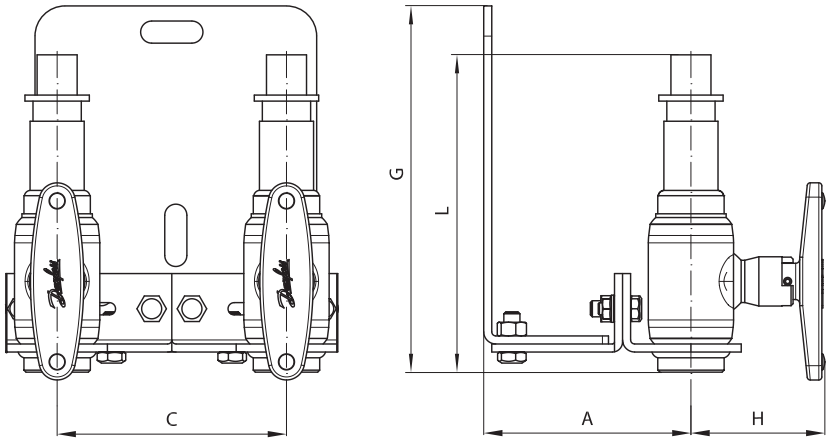
* DVP/DV types: L=240 mm



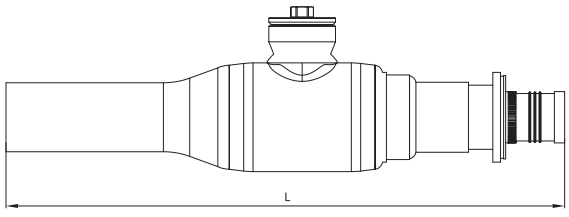
Twin valves for AluPEX, PEXFlex and CuFLEX SINGLE pipe

DN	A (mm)	C (mm)	H (mm)	G (mm)	L (mm)	Weight (kg)
PN 40, PN 25						
15	100-145	115-200	65	190	150 *	2.8
20						
25			70			3.0

* DVP/DV types: L=240 mm



Branching valves for AluPEX pipe



DN	L (mm)	Weight (kg)
PN 40		
20	220	0.85
25		0.9

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