



How does the FullX fit in your application?

Our experts would be pleased to consult you and assist you with the planning and use of HEROSE valves in your individual application.

FullX: Figures, data and facts



Scan the code or visit us at herose.com/type11C01.pdf and find out all important information about the new FullX Valve type 11C01.

Newsletter – always well informed



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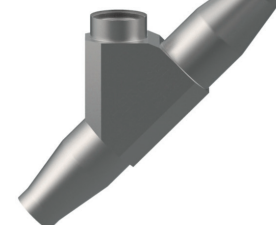
FullX protects against undesired evaporation

Applications

- Pressure vessels down to -269 °C (He, H_2 and O_2)
- Air separation plants
- Coldbox systems
- Fuelling systems for aerospace and space technology
- Vacuum-insulated pipelines
- Cryostats

Technical Details

Sizes:	DN 10 - DN 50
Pressure:	up to PN63
Working temperature:	-269 °C to $+80\text{ °C}$
Connections:	butt weld
Material:	stainless steel
Approved media:	hydrogen, air gases, steam and cryogenically liquified gases
Versions:	manual actuation
Body types:	straight, angle type or Y type body
Options:	bellow, bellow monitoring, check function



One system – many benefits



■ Maintenance without the loss of vacuum

The top-entry design enables the top part including stem and disc to be removed without having to open the pipework or insulation. This not only saves you time during maintenance, but also reduces your costs.



■ Absolutely reliable with longer service life

High-quality materials and the manufacturing from solid material provide the highest quality for the FullX.



■ Many options in the modular system

The modular design allows the FullX to be adapted precisely to your individual requirements.



■ High internal and external leak tightness

The use of a solid material body ensures the required high level of tightness for vacuum-insulated systems. The additional option of bellows supports this and increases the tightness to atmosphere.

Leak rate – to vacuum:	$1 \cdot 10^{-9}$ mbar·l/sec
Leak rate – seat tightness:	$1 \cdot 10^{-4}$ mbar·l/sec
Leak rate – to atmosphere:	$1 \cdot 10^{-8}$ mbar·l/sec
	$1 \cdot 10^{-9}$ mbar·l/sec (Option with bellow)



■ Reduction of heat losses during cooling and heating processes

The use of ideal material combinations for the components ensures a high level of tightness, which is required for vacuum-insulated systems. This reduces losses of medium during cooling and heating processes.



■ Installation independent of position

By using the bottom bellows, the FullX can be installed in your system in any position. For you, this allows you to make better use of narrow installation space and plan very flexibly.



■ Prevention of backflow

By using the check function of the FullX allows your liquids and gases to flow only in one direction. The backflow is prevented and therefore your system is protected from serious damage.



Globe Valve FullX Type 11C01

Perfect for vacuum-insulated systems to -269 °C



The FullX modular system

Many options for your application: put the FullX Valve together precisely according to your requirements in a few steps.

1. Determine the nominal size and note the dimension code.
2. Select your options and write down the codes of your selection.
3. The individual part number can be formed from your selection. On the basis of this part number you will receive a personal offer from your HEROSE contact person.

For configurable products, the HEROSE part number is structured as follows:

Nomenclatur	Type	Serie	Size code	Option codes
e. g.	11C01.	A001.	0250.	ESR-MYJ-BCQ-QXY-KCZ-JRB-LYV-SNP-HTW-GCX

Selection of the type

Product group	Type
Globe Valve FullX	11C01

Selection of the serie

Series	www
increased external tightness, medium pressure rating, additional approval not selected	A001

Selection the nominal size

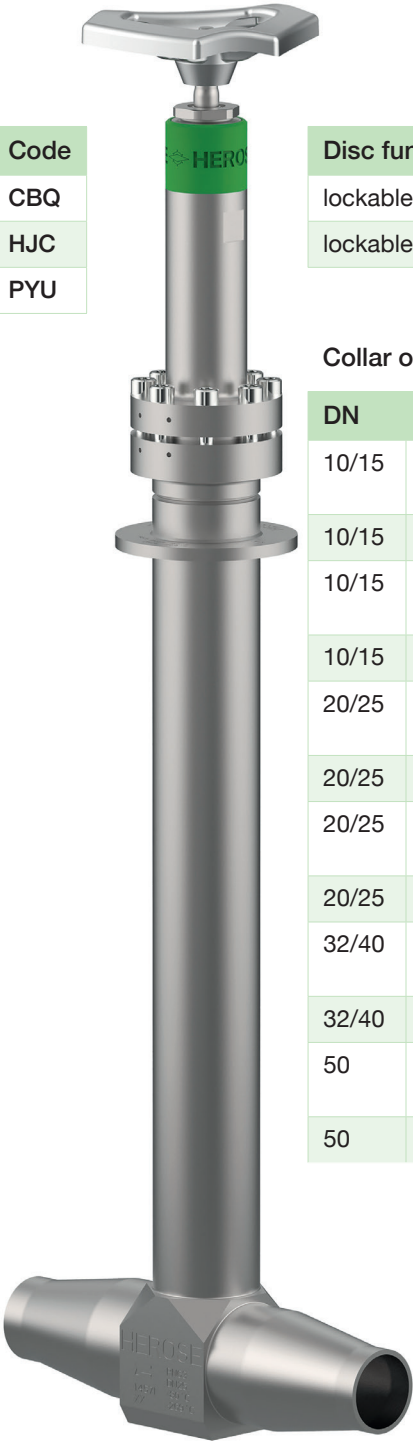
Nominal size	Dimension code
10	0100
15	0150
20	0200
25	0250
32	0320
40	0400
50	0500

Selection of the options

Pressure	Code	Approvals	Code	Body types	Code
PN63	ESR	DGRL DIN EN 1626	MYJ	Body angle type	CBQ
				Straight body	HJC
				Body Y type	PYU

Connection

DN	Body type	Option	Code
10	Body angle type	Butt weld 17.2 x 1.8 mm	QXY
10	Straight body	Butt weld 17.2 x 1.8 mm	KSP
10	Body Y type	Butt weld 17.2 x 1.8 mm	PKL
15	Body angle type	Butt weld 21.3 x 2.0 mm	CVP
15	Straight body	Butt weld 21.3 x 2.0 mm	MZE
15	Body Y type	Butt weld 21.3 x 2.0 mm	FYB
20	Body angle type	Butt weld 26.9 x 2.3 mm	BNN
20	Straight body	Butt weld 26.9 x 2.3 mm	DPN
20	Body Y type	Butt weld 26.9 x 2.3 mm	WHZ
25	Body angle type	Butt weld 33.7 x 2.3 mm	XZE
25	Straight body	Butt weld 33.7 x 2.3 mm	PKY
25	Body Y type	Butt weld 33.7 x 2.3 mm	CXP
32	Body angle type	Butt weld 42.4 x 2.6 mm	ZKC
32	Straight body	Butt weld 42.4 x 2.6 mm	GLU
32	Body Y type	Butt weld 42.4 x 2.6 mm	HHY
40	Body angle type	Butt weld 48.3 x 2.6 mm	WUW
40	Straight body	Butt weld 48.3 x 2.6 mm	RJE
40	Body Y type	Butt weld 48.3 x 2.6 mm	JBM
50	Body angle type	Butt weld 60.3 x 2.9 mm	BGA
50	Straight body	Butt weld 60.3 x 2.9 mm	WPW
50	Body Y type	Butt weld 60.3 x 2.9 mm	UXB



Disc function	Code	Handwheel options	Code
lockable function	KCZ	Material 1.4409 silver	JRB
lockable check function	JDA		

Collar options

DN	Body type	Ø (mm)	Position (mm)	height	Code
10/15	Body angle type/ Straight body	60.0	330.0	5.0	SNP
10/15	Body Y type	60.0	370.0	5.0	GEM
10/15	Body angle type/ Straight body	71.5	330.0	5.0	BBK
10/15	Body Y type	71.5	370.0	5.0	DGJ
20/25	Body angle type/ Straight body	71.5	330.0	5.0	BBK
20/25	Body Y type	71.5	375.0	5.0	EMK
20/25	Body angle type/ Straight body	60.0	330.0	5.0	SNP
20/25	Body Y type	60.0	375.0	5.0	WLU
32/40	Body angle type/ Straight body	84.0	440.0	5.0	WBE
32/40	Body Y type	84.0	500.0	5.0	QWB
50	Body angle type/ Straight body	109.0	520.0	5.0	JUP
50	Body Y type	109.0	595.0	5.0	GSH

Bellow	Position	Monitoring	Dimension bellow monitoring	Code
not selected	not selected	not selected	not selected	LYV
selected	top	not selected	not selected	MUR
selected	bottom	not selected	not selected	FYX
selected	top	selected	DIN EN ISO 8434-1-WDS-S6	GXD
selected	bottom	selected	DIN EN ISO 8434-1-WDS-S6	XHA

Material selection			Code
Body material 1.4571	Sealing material made out of PCTFE		HTW

Valve height

DN	Body type	Valve height (mm)	Code
10/15	Body angle type/Straight body	535.0	GCX
10/15	Body Y type	430.0	HDP
20/25	Body angle type/Straight body	535.5	GCX
20/25	Body Y type	440.5	VCG
32/40	Body angle type/Straight body	690.5	AKQ
32/40	Body Y type	570.5	WAM
50	Body angle type/Straight body	775.0	QJN
50	Body Y type	640.0	FTP