

# PRODUCT SHEET

## DEMACO CRYOGENIC VALVE - MANUALLY ON/OFF

Transfer Lines

Conditioning Equipment

Components

Johnston Coupling

Welded Coupling

Blindcap / Endpiece

VI Demaco valve

Gas lock

Highly flex

Pipe end heater

Filling Stations

Controlling

The Demaco Cryogenic Manual on/off Valve offers a premium valve for liquid and gaseous media for cryogenic systems with an extremely low heat loss value due to vacuum insulation. Through its streamlined valve body, a high flow rate can be guaranteed.

The valve is applicable under EC 1935/2004 and FDA, which allows Demaco to integrate this valve in any market including the food, medical and pharmaceutical industry.

Through its Self-adjusting spindle packing with V-seals, intermediate relief and wiper, this valve assures a long service life.

With its compact industrial design, the Demaco Cryogenic Manual on/off Valve can be integrated in all our cryogenic infrastructures as well as our conditioning equipment.



### BENEFITS

Low heat loss values due to vacuum insulation

No ice

Compact industrial design with a long service life for optimal use in cryogenic/food/hygienic environment

Remote operation of media flow

Many configurations possible

High flow value by the streamlined valve body

Maintenance-free under normal conditions

### APPLICATION

Suitable flow media for liquid and gaseous like (Group 2): Nitrogen, Argon and Carbon dioxide

Actuator facing up and maximum 45° from vertical plane

Integrated in Demaco cryogenic infrastructure

Integrated in Demaco conditioning equipment

### FEATURES

All stainless steel

Applicable under EC 1935/2004 and FDA

Excellent seat tightness due to PTFE soft sealing

Self-adjusting spindle packing with V-seals, intermediate relief and wiper

Spring return normally open or normally closed

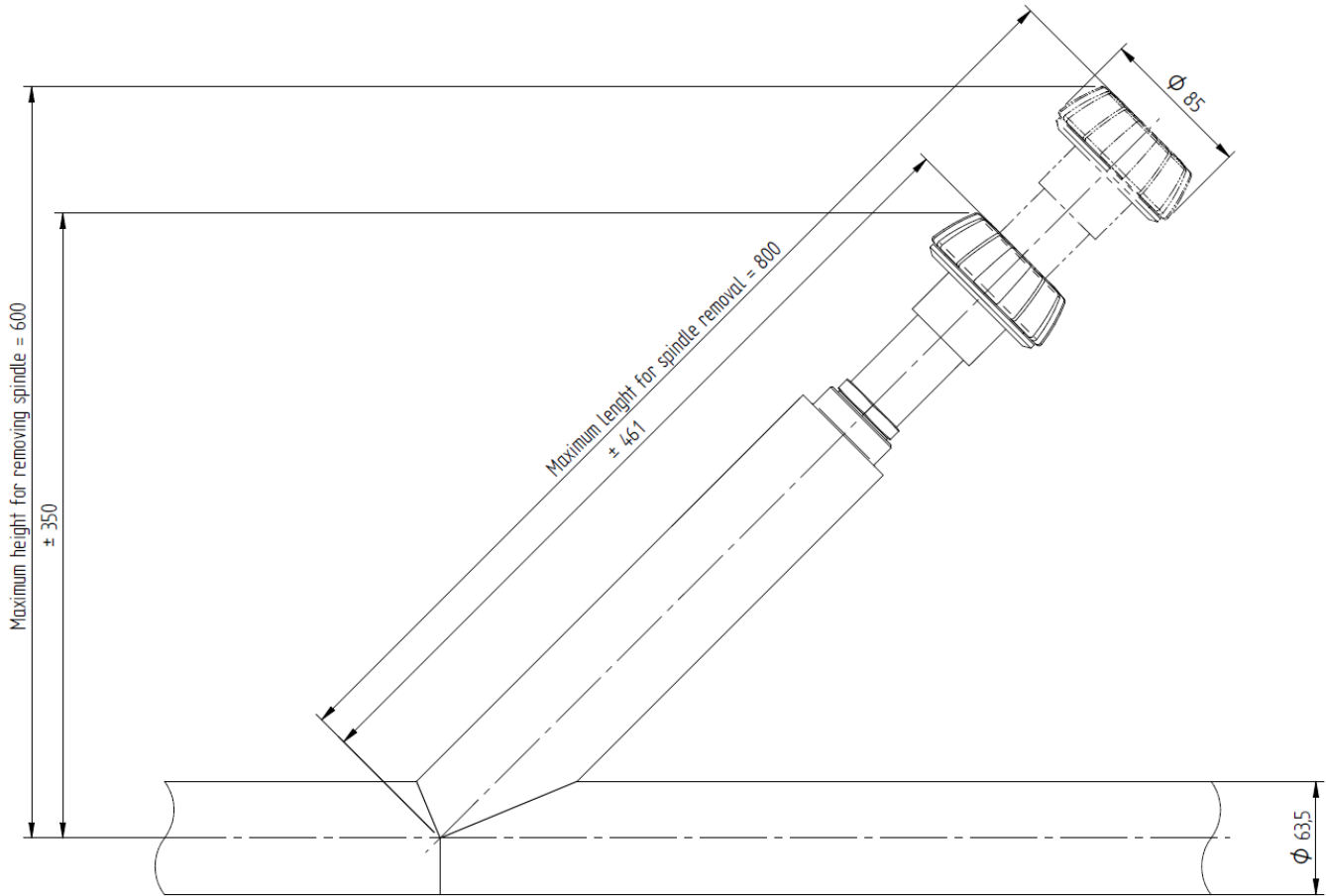
TIG welded according highest standards (ISO3834-2)

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PIPE SIZE	Design Pressure FTO-FTC [barg]	Kv [m <sup>3</sup> /h]	Heat loss indication [W]
DN15	16	4.5	1.7
DN25	16	20	2.7
1-inch	16	20	2.7

\*FTO: Flow To Open / FTC: Flow To Close



### MATERIALS

Body:	Stainless steel
Spindle:	Stainless steel
Actuator:	PPS and Stainless steel
Spindle elements:	FKM and EPDM
Spindle sealing:	PTFE V-rings with spring compensation (with silicone grease)
Seat sealing swivel plate:	PTFE
Spindle guide:	PEEK

### DESIGN SPECIFICATIONS

Leakrate to vacuum jacket < 1x10<sup>-9</sup> mbar.l/sec

### OPTION

Handwheel with locking against unauthorised or unintentional changing the valve position