

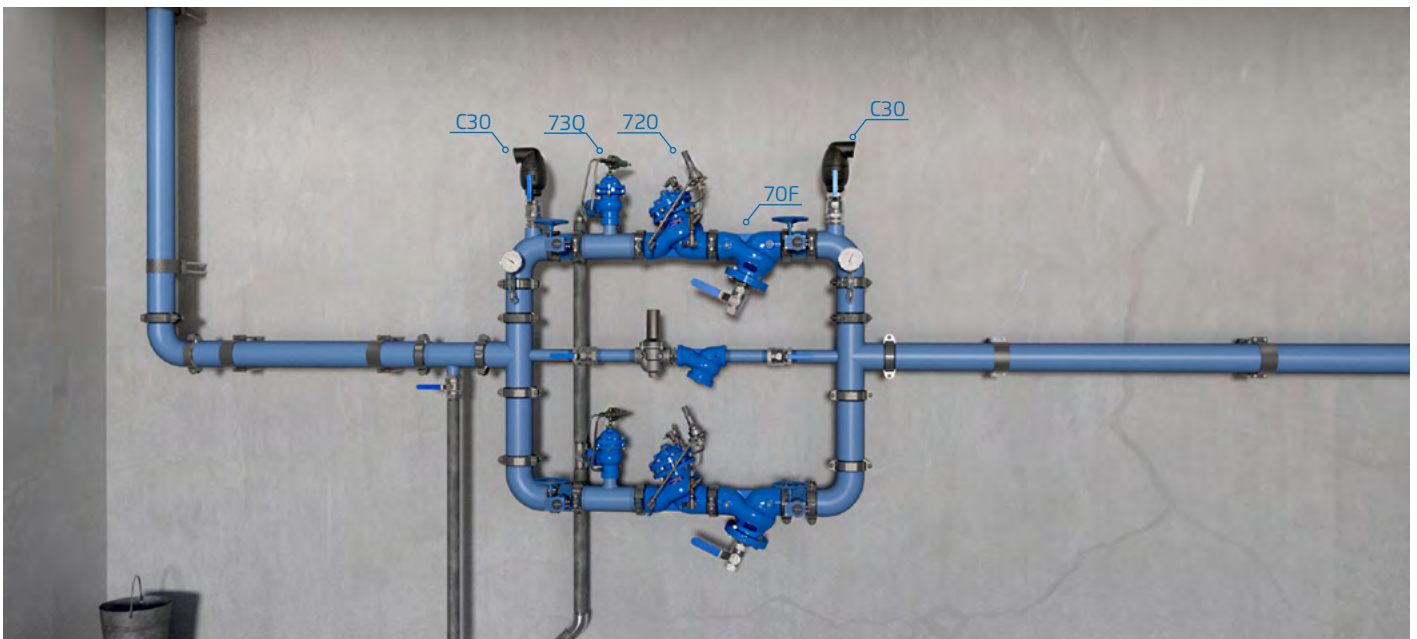


QUICK PRESSURE RELIEF VALVE

Model 73Q

Hydraulically operated, diaphragm actuated quick pressure relief valve that relieves excessive system pressure when such pressure rises above a pre-set value. It responds immediately, accurately, and with high repeatability to a rise in system pressure by opening fully and triggering an alarm (optional). It also provides smooth drip tight closing.

BERMAD 700 series valves are hydraulic, oblique pattern, globe valves with double chamber unitized actuator, that can be disassembled from the body as a separate integral unit. The valves hydrodynamic body is designed for unobstructed flow path and provides excellent and highly effective modulation capacity for high differential pressure applications.



Pressure Reducing Station, featuring BERMAD 73Q valves to relieve excessive downstream pressure, a redundant, parallel branch to minimize the possibility of total water shut-off and a low flow

bypass branch for low demand operation. For information on the other BERMAD products in this system please see the product data sheet for the BERMAD 720 and BERMAD 70F.

Typical Application

- Protects downstream against excessive pressure
- Prevents system damage due to sudden demand reduction
- Relieves pressure spikes due to abrupt pump stoppages

Note: The BERMAD 73Q requires proper drainage, where drainage is limited, consider the BERMAD 72S-H or the BERMAD 794



Features and Benefits

- High Quality Construction Materials - Reliable, resilient and long lasting operation
- Robust Design - Suitable for constant, intense operation
- In-Line Serviceable - Quick and easy maintenance and service
- Line Pressure Driven - Independent operation, no external power needed
- Unitized Actuator Assembly - Minimal downtime
- Hydrodynamic Body with Unobstructed Flow Path - Minimal noise and cavitation damage
- 2-Way Control Loop - Immediate, accurate response to sudden system variations
- Adjustable Pilot - Easy field pressure setting and calibration
- Valve Operation Indication (optional) - Immediate notification to maintenance personnel

Technical Data

General:

End connections:

Grooved / Flanged / Threaded

Pressure Rating: 400 psi; PN25

Valve Pattern: Y (Oblique) / Angle

Working Temperature:

Cold Water up to 140°F; 60°C

Optional Higher Temperatures:

Available on request

Main Valve Materials:

Body, Cover and Partition:

Standard: Ductile Iron

Optional: Stainless Steel 316

Seat: Stainless Steel

Internals:

Stainless Steel, Tin Bronze & Coated Steel, POM

Diaphragm: Fabric-reinforced synthetic rubber

Seals: Synthetic rubber

Coating: Blue Fusion bonded epoxy

Control Trim Materials:

Control Accessories:

Stainless Steel / Bronze & Brass

Tubing: Stainless Steel / Copper

Fittings: Stainless Steel / Brass

* For other optional material consult BERMAD.

** Materials may vary according to sanitary standard.

How To Order

Please Specify the requested valve in the following sequence:

BC	-	2"	-	73Q	-	00	-	P2	-	Y	-	C	-	VI	-	EB	-	000	-	NN	-	VN
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Segment	Model	End Connection	Standard	Code	Coating	Code	Additional Attributes (Multiple Options Permitted)	Code
BC	73Q	Up to 250 psi / PN16	ANSI C606	VI	Epoxy Blue	EB	V-Port Throttling Plug	V
Size	Series	Code	Code	Code	Epoxy Blue with UV Protection	EV	Valve Position Indicator	I
1½" DN40	Classic	00	BS 1387	VB	Uncoated	UC	Limit Switch	S
2" DN50	Sigma EN	EN	ISO-16	16	Solenoid Voltage	Code	Flow Stem	M
2½" DN65	Sigma ES	ES	ABNT16	B6	No Solenoid	000	Double Chamber (Active)	B
3" DN80			ANSI 150	A5	24VAC/50Hz	4A	3-Way Control	X
4" DN100	Potable water Compatibility	Code	AST-*	S*	24VAC/60Hz	46	St.St. 316 All Control Accessories	N
6" DN150	Approved	P2	BSPT	BP	24VDC	4D	Pressure Gauge	6
8" DN200	Unregistered	P0	Threaded	NPT	220VAC/50-60Hz	2A	Orifice Assembly	U
10" DN250	Orientation	Code	250-400 psi / PN25	ANSI C606	220VDC	2D	Large Control Filter	F
12" DN300	Y Oblique	Y	Grooved	BS 1387	110VAC/50-60Hz	5A	In Line Filter	C
14" DN350	Angle	A	Flanged	ISO-25	110VDC	5D	Manual Selector	Z
16" DN400	Construction Material	Code	Threaded	ABNT25	12VDC	1D	Tubings & Fittings	Code
18" DN450	Ductile Iron	C		ANSI 300			Copper Tubing & Brass Fittings	CB
20" DN500	Stainless Steel 316	N		BSPT			Stainless Tubing & Fittings	NN
24" DN600				NPT				



NSF 61/372 USA



Bulgarkontrola Bulgaria



ACS France



GOST Russia



PZH Poland



WRAS UK



Watermark Australia



AS 5081 Australia

Manufactured and Tested According to AWWA C530-12 Requirements

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