

#### Tender specification:

Oventrop check valve - universal model

PN 10, up to 120 °C.

Automatically operating gravity restrictor for universal application as angle pattern, straight pattern or three-way valve. Facility for emergency operation by use of the handwheel, for instance for gravity operation.

Connections: all ports female thread . . . G 1, 1¼, 1½, 2

#### Application:

Hot water central heating systems with circulation pump.

Bivalent heating or hot water preparation systems.

Collector circuits of solar plants.

Hot water preparation or storage using separate boilers.

Temperature up to 120 °C.

When installing the check valves, an opening pressure of about 20 mbar must be observed.

#### Function:

The Oventrop check valves automatically prevent unwanted gravity circulation in the pipework.

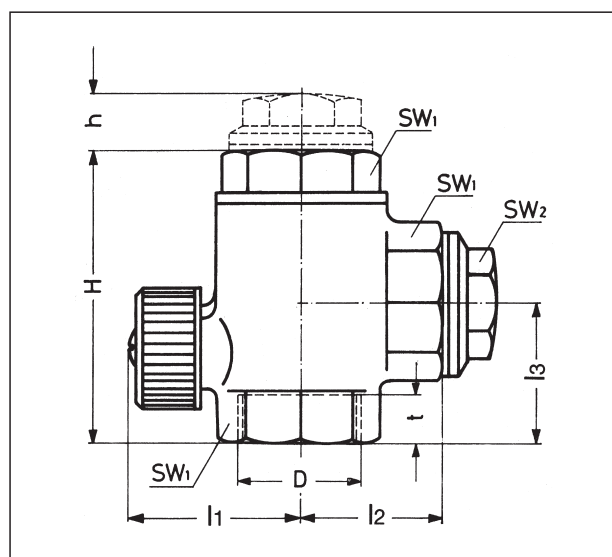
The automatic check valve which closes immediately after loss of pressure of the circulation pump, can be opened manually for deaeration of the system or in the event of a breakdown, such as failure of the pump. The now available gravity circulation normally suffices to prevent freezing of the system.

The Oventrop check valve - universal model - has to be installed vertically. It is equipped with a tight EPDM soft seal for low noise levels. The body is made of bronze. The plugs and gland nut are made of brass.

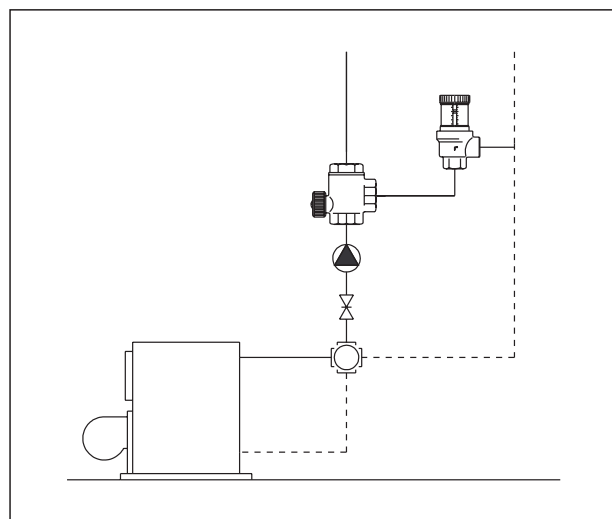
#### Advantages:

Since the check valve - universal model - seals off the pipe, no gate valve at the outlet of the pump is required.

When used as a three-way valve, it offers special advantages: since additional connections are unnecessary, material and installation time are saved and possible leak sources are avoided.



Dimensions



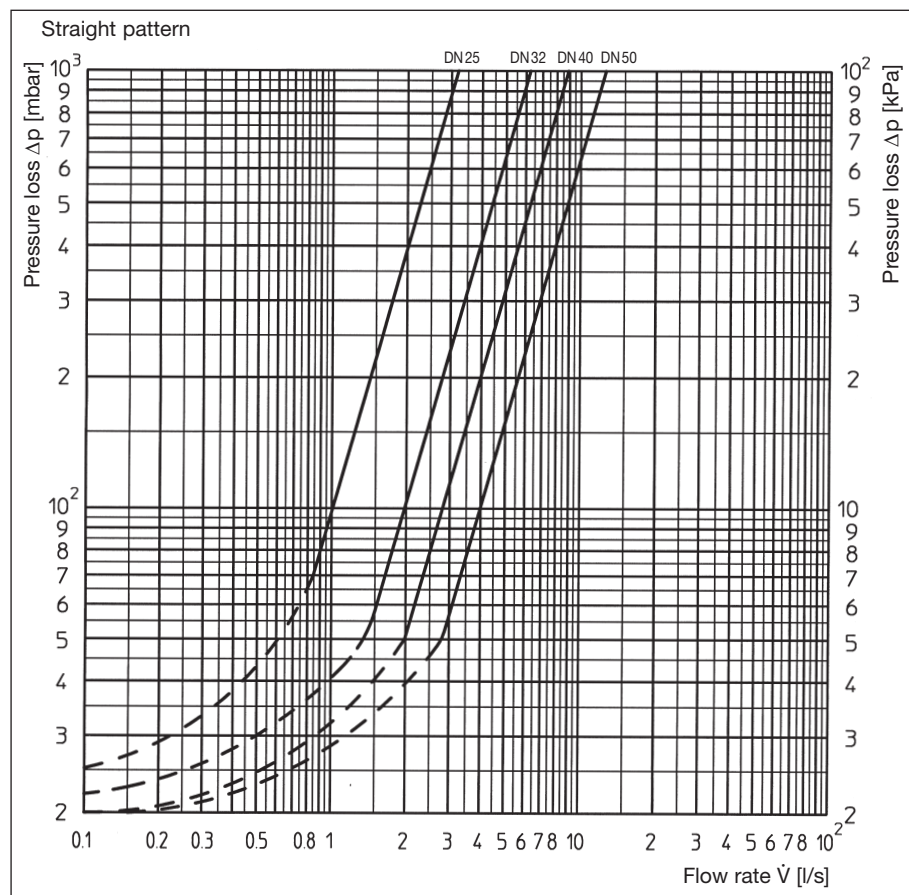
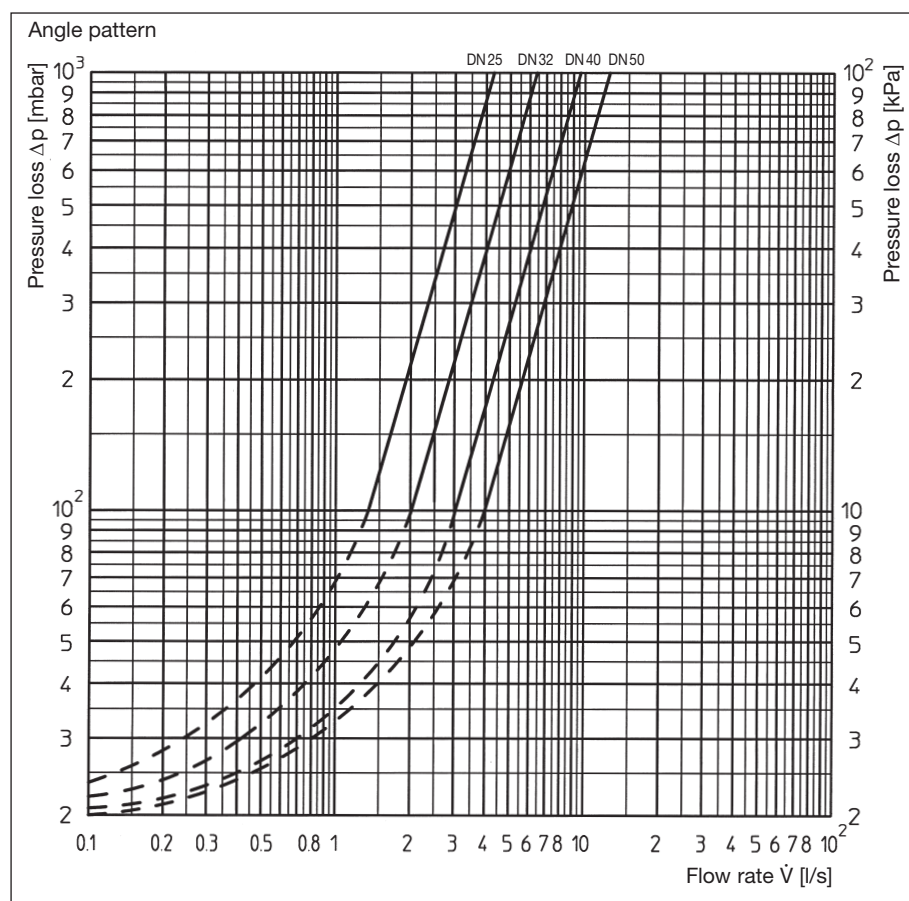
System illustration

Use as three-way valve in combination with a differential pressure relief valve (item no. 10852..) and a pump valve.

#### Dimensions and item numbers:

DN	D	H	h	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	t	SW* <sub>1</sub>	SW* <sub>2</sub>	Item no.:
25	G 1	71	14	45	37	40	12	40	27	1071008
32	G 1¼	91	18	51	45	46	14	48	32	1071010
40	G 1½	106	14	55	51	56	16	55	41	1071012
50	G 2	115	20	61	60	59	18	68	46	1071016

\*SW = Spanner size



## Performance data

Subject to technical modifications without notice.

Product range 6  
ti 22-EN/10/MW  
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