**Description:**

- overflow valve
- straight-way type
- female-male thread acc. to ISO228
- proportional control characteristics
- gas-tight design
- adjustable without media outlet
- diaphragm control

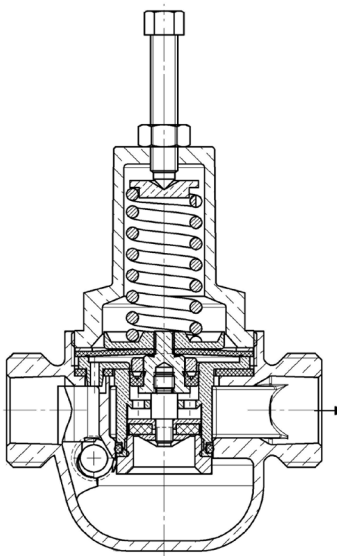
Range of application:

- pressure maintenance
- pressure control
- Protection of pumps and plants against high pressures
- fluids and gaseous media
- high flow rate at low pressure differences
- max. permissible medium temperature: +95°C

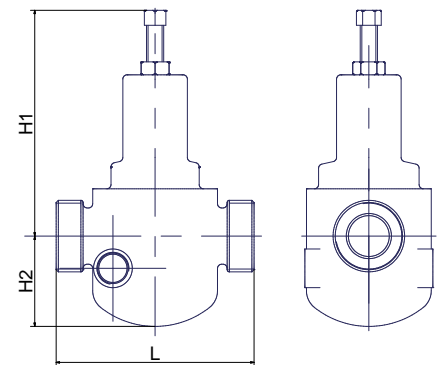
Comments:

Threads according to EN 228: It describes the threaded connection of a parallel male thread with a parallel female thread and is marked with "G".

The **flow direction** is indicated on the body. Optionally available is a **threaded connection** to reduce the connection size by one nominal diameter. Optionally, the valve is available with a pressure gauge (connection G1/4", rear).

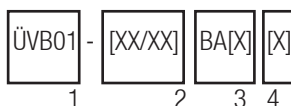


pos.	part	materials	options
1	body	CW 491K	B
2	interior	CW614N	A
3	sealing	NBR	B FKM V



For details about the order code see "Order information". An overview of the complete material code you can find at the beginning of each product section of the product catalogue.

match code	connection size [inch] inlet/outlet	setting range 1			setting range 2			height H2 [mm]	length L [mm]
		setting range [bar]	height H1 [mm]	weight [kg]	setting range [bar]	height H1 [mm]	weight [kg]		
ÜVB01-06/06BAx	1	1-5	110	1.3	3 - 9	150	1.5	42	92
ÜVB01-07/07BAx	1 1/4	1-5	110	1.5	3 - 9	150	1.7	46	98
ÜVB01-08/08BAx	1 1/2	1-5	110	1.6	3 - 9	150	1.9	46	98

**Order information:**

1: type: ÜBV01

4: options: none

2: connection size (see table):

- inlet/outlet: 06-08

3: materials:

- 1. digit: body red brass (B)
- 2. digit: interiors brass (A)
- 3. digit: sealing:
B=NBR
V=FKM

Please ask for field specifications that are not listed in this data sheet.

Before installation please consider the installation and maintenance manual, especially the safety indications!

SUPPLEMENT: RELIEF CAPACITY

table

Relief capacity at 10% pressure surge in Nm^3/h (air) for each set pressure at the inlet of each connection size.

set pressure [bar]	relief capacity [Nm^3/h] acc. to connection size [inch]				
	1/4	3/8	1/2	3/4	1
0.2	13	17	19		
0.3	15	21	24		
0.4	16	25	27		
0.5	17	28	31		
0.6	18	31	34		
0.7	19	35	39		
0.8	21	38	42		
0.9	22	40	45		
1	23	44	48	63	95
1.5	29	58	64	79	120
2	35	70	77	95	144
3	47	94	104	128	194
4	59	118	130	161	244
5	71	142	157	194	293
6	84	166	184	227	343
7	96	191	210	259	393
8	108	215	237	292	442
9	120	239	263	325	492
10	132	263	290	358	542
11	144	287	317	390	591
12	156	311	343	423	641
13	168	335	370	456	691
14	180	359	396	489	740
15	192	383	423	522	790
16	205	407	449	554	840
17	217	431	476		
18	229	456	503		
19	241	480	529		
20	253	504	556		
21	265	528	582		
22	277	552	609		
23	289	576	635		
24	301	600	662		
25	313	624	689		
26	326	648	715		
27	338	672	742		
28	350	696	768		
29	362	721	795		
30	374	745	821		

comment:

A **standard cubic meters m^3** acc. to DIN 1343 is the amount that is one cubic meter at a pressure $p_n=1.01325$, a humidity of 0% (dry gas) and a temperature of $t_n=0^\circ\text{C}$.

The **set pressure** is the gauge pressure at which a direct-loaded safety valve begins to open under test conditions (atmospheric pressure).

The **reaction pressure** is the gauge pressure at which a direct-loaded safety valve begins to open under operating conditions.