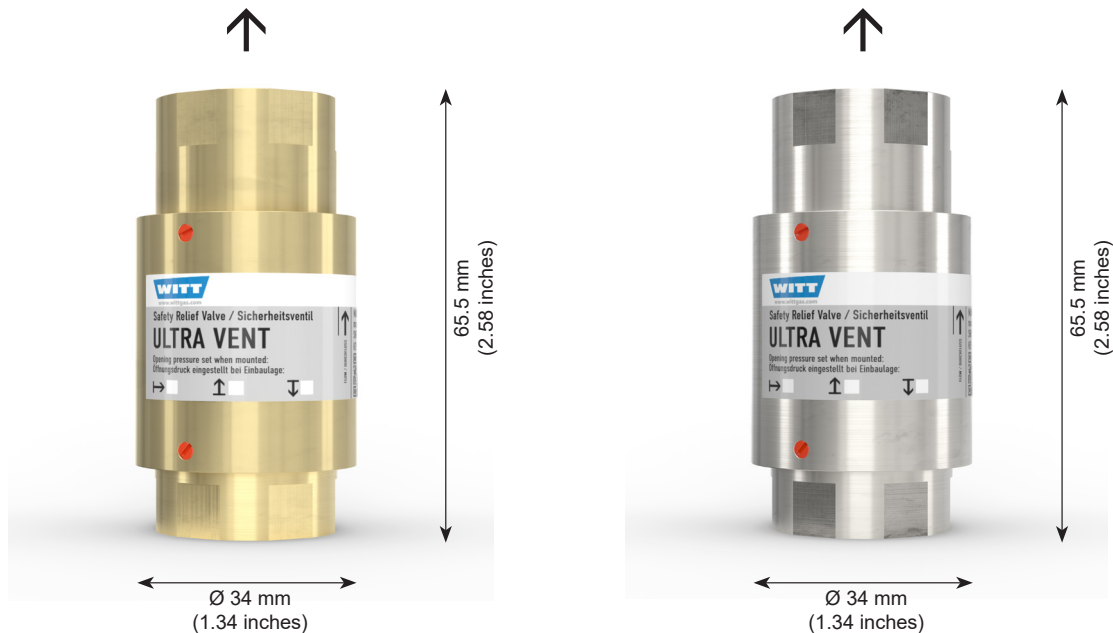


SAFETY RELIEF VALVE ULTRA VENT

for ventilators, individual set pressures
between 10 mbar and 100 mbar



Spring loaded, direct acting safety relief valve designed to protect patients from overpressure resulting from Ventilator malfunction. They add the definitive final bottom-line of safety to your Ventilator system, independent of the control system, electronics and pneumatics. Very compact, safe and reliable.

Every safety relief valve 100% tested.

Benefits

- you specify the pressure setting in the range 10 mbar to 100 mbar
- much smaller than previous designs, yet allows even the highest relief flow needed for Ventilators
- high relieving capacity, suiting the requirements of ventilator technology
- available in brass or stainless steel (ES)
- pressure setting witnessed and certified by TÜV
- reliability tested over 100 000 cycles
- assembled and tested in a Class 100 (ISO 5) Clean Room
- G 1/2 or 1/2" NPT threads on inlet and outlet (other connections available upon request)
- outlet connection enables safe routing of vented gases to atmosphere
- PN10 rating
- free of oil and grease
- comes with lasered individual serial number and set pressure, plus its TÜV set pressure certification
- can also be used as a vacuum breaker

Options

- 100 µm filter in the gas inlet

Operation / Usage

- protection of patients against overpressure during ventilation

Approvals

- cleaned, design and materials' selection according to DIN EN ISO 15001
- Peek Medical Grade is USP Class VI
- Loctite 4601 ISO10993 certified
- EPDM is USP Class VI
- VMQ is USP Class VI

Other models, options and accessories available upon request.

Please identify temperature, opening pressure and inlet connection at the time of enquiring.

SAFETY RELIEF VALVE ULTRA VENT

for ventilators, individual set pressures between 10 mbar and 100 mbar

Flow capacity for air and closing pressure at 20 °C / 68 °F (valid only when venting to atmosphere)

Standard reference conditions: 0 °C/32 °F / 1 013.3 mbar

Flow capacity at $p = 2 \times p_e$ [Nm³/h]

p_e = Setting pressure

Connection G 1/2 / 1/2" NPT without filter

p_e Setting pressure [mbar]	10	20	30	40	40	60	80	100
Sealing material	VMQ	VMQ	VMQ	VMQ	EPDM	EPDM	EPDM	EPDM
Flow capacity [m ³ /h]	3.8	9.1	11.1	14.8	10.7	21.3	30.9	36.5
Closing pressure in % of p_e	37	49	68	75	62	69	73	65

Connection G 1/2 / 1/2" NPT with filter

p_e Setting pressure [mbar]	10	20	30	40	40	60	80	100
Sealing material	VMQ	VMQ	VMQ	VMQ	EPDM	EPDM	EPDM	EPDM
Flow capacity [m ³ /h]	3.5	6.6	9.4	11.5	9.6	15.6	18.5	22.6
Closing pressure in % of p_e	37	49	68	75	62	69	73	65

Material			
Seals		Housing	Valve
O-Ring	Valve		
EPDM	VMQ	brass CuZn39Pb3 stainless steel 1.4305	PEEK
EPDM	EPDM	stainless steel 1.4305	PEEK

	ULTRA VENT
Opening pressure	from 10 up to < 100 mbar
Gases	oxygen, air
Material	housing and metal turned parts made of brass or stainless steel, pressure spring made of stainless steel, valve seal VMQ / EPDM
Width across flats	27 mm
Weight	approx. 260 g
Connections	G 1/2 RH F, 1/2" NPT F
Marking	TÜV*AV*.....*14,9*1.4305*CR* *PN10
Temperature range	-20 °C / +4 °F up to approx. +100 °C / +212 °F

other temperatures, valve seals and gases upon request

