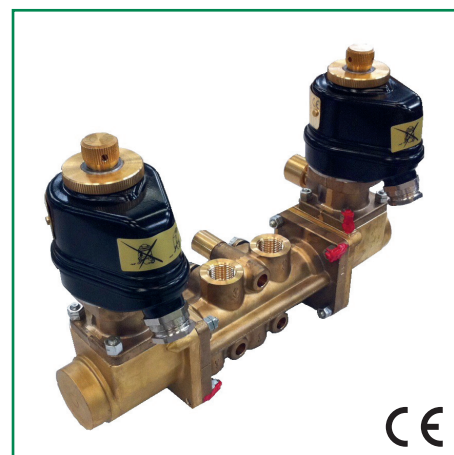


QUALIFICATION DESCRIPTION

- Solenoid valve that meets the nuclear power station requirements and qualified according to:
 - Test requirements: RCC-E + HM-63/7282-5
 - Test report: M2T402 - HM-63/9667
 - Quality assurance: NF EN ISO 9001 v2008
 - RCC-E 2012 # A5000
- EMC:
 - EMC test specification in accordance with RCC-E 2012
 - Surge immunity test (according to EN61000-4-5)
 - 1kV Phase to Phase - 2kV Phase to Ground
 - Damped sinusoidal wave (according to EN 61000-4-18):
 - 100 KHz, 1 MHz, 3 MHz, 10 MHz; 0,5kV Phase to Phase, 1kV Phase to Ground
- Ambient temperature:
 - Aging 40 years at 23°C
 - Functional +10°C to +50°C
 - Extreme -25°C to +70°C
 - Damp head 2 cycles of 24 hours (according to EN60068-2-30 variant 2)
- Functional:
 - 20 000 cycles 0,1 Hz ON-OFF at +50°C
- Radiation:
 - Aging 250 Kgy at 70°C
- Seismic:
 - Vibration aging 2 g from 10 Hz to 500 Hz during 2 hours on each axis
 - RCC-E Seismic component level response spectrum (up to 30g from 1 Hz to 100 Hz at 5%) ZPA: 6 g
- Fluid:
 - Dry air or filtered air



K2

SOLENOID OPERATOR CONSTRUCTION

Solenoid housing Metal cover, black standard paint

MATERIALS IN CONTACT WITH FLUID

Body Brass
Internal parts & springs Stainless steel
Seals VAMAC®

ELECTRICAL CHARACTERISTICS

Electrical safety IEC 335
Coil connection Screw terminals
Coil protection Unidirectional diode
Cable entry Cable gland, CM10 (cable Ø 6,5-11 mm)

voltage (-20% +10%)	power ratings (W)		coil insulation class	type of protection	temperature range (C°)
	hot	cold			
	48 VDC	11	13		
125 VDC	14	16	H	IP54	+5 to +50

VAMAC® is a registered trademark of Dupont Performance Elastomers

SPECIFICATIONS

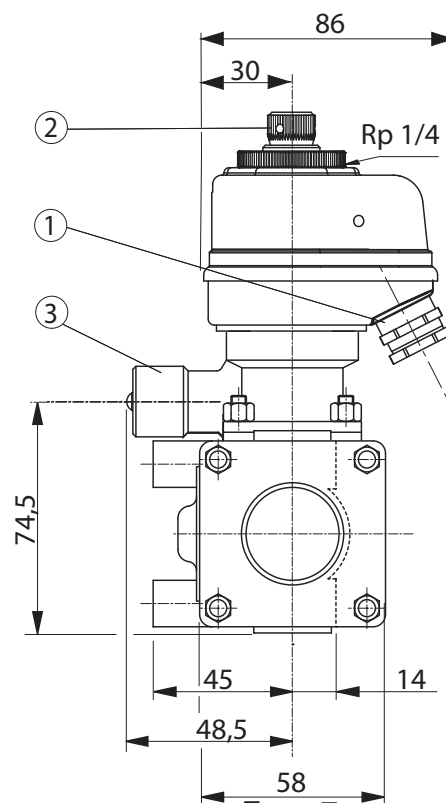
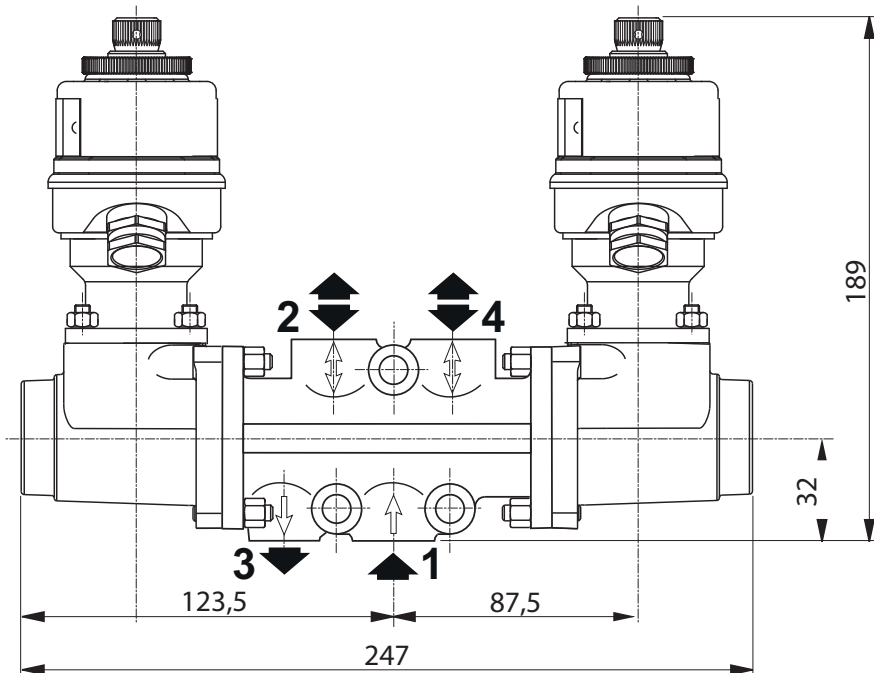
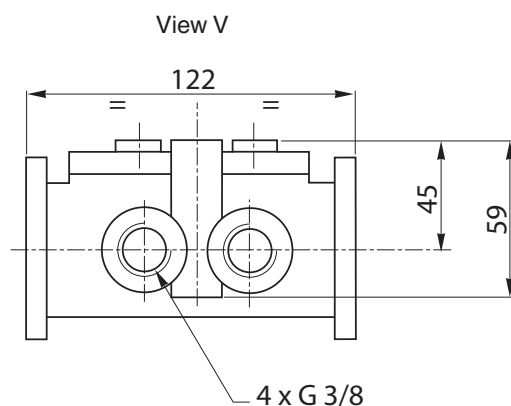
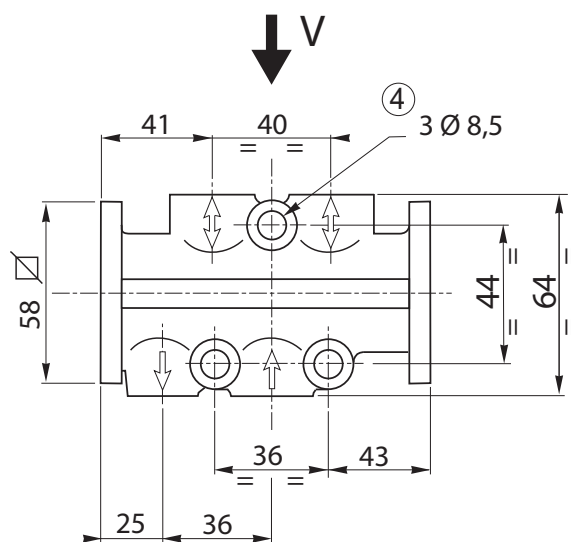
pipe size	orifice size	rated flow (ΔP 1 bar at 6,3 bar)						response time (max.)	operating pressure differential (bar)		catalogue number	reference
		(m³/h)			(l/min)				min.	max.		
		1 → 2 1 → 4	1 → 2	2 → 3	1 → 2 1 → 4	1 → 2	2 → 3					
G	(mm)							(ms)				
3/8	9	84,4	61,6	80,7	1400	1030	1345	500	3	10	23202003.48/DC 23202003.125/DC	M2T402 D ⁽¹⁾ - K2

⁽¹⁾ D = Direct supply.

INSTALLATION

- The valve must be installed with the spool in horizontal position
- Do not power on unless the metal cover is properly in place
- Pipe connections (Rp) have standard thread according to ISO 7/1. Pipe connections (G) have standard thread according to ISO 228/1

DIMENSIONS (mm), WEIGHT (kg)

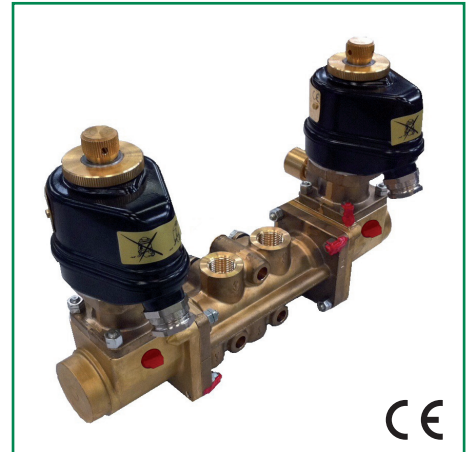


weight
5,5

- ① Cable entry, CM10 (Ø6,5-11 mm)
- ② 3/2 NC: exhaust protector
- ③ Manual operator location
- ④ 3 mounting holes 8,5 mm dia.

QUALIFICATION DESCRIPTION

- Solenoid valve that meets the nuclear power station requirements and qualified according to:
 - Test requirements: RCC-E + HM-63/7282-5
 - Test report: M2T402 - HM-63/9667
 - Quality assurance: NF EN ISO 9001 v2008
 - RCC-E 2012 # A5000
- EMC:
 - EMC test specification in accordance with RCC-E 2012
 - Surge immunity test (according to EN61000-4-5)
 - 1kV Phase to Phase - 2kV Phase to Ground
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- Ambient temperature:
 - Aging 40 years at 23°C
 - Functional +10°C to +50°C
 - Extreme -25°C to +70°C
 - Damp head 2 cycles of 24 hours (according to EN60068-2-30 variant 2)
- Functional:
 - 20 000 cycles 0,1 Hz ON-OFF at +50°C
- Radiation:
 - Aging 250 Kgy at 70°C
- Seismic:
 - Vibration aging 2 g from 10 Hz to 500 Hz during 2 hours on each axis
 - RCC-E Seismic component level response spectrum (up to 30g from 1 Hz to 100 Hz at 5%) ZPA: 6 g
- Fluid:
 - Dry air or filtered air



K2

SOLENOID OPERATOR CONSTRUCTION

Solenoid housing Metal cover, black standard paint

MATERIALS IN CONTACT WITH FLUID

Body Brass
Internal parts & springs Stainless steel
Seals VAMAC®

ELECTRICAL CHARACTERISTICS

Electrical safety IEC 335
Coil connection Screw terminals
Coil protection Unidirectional diode
Cable entry Cable gland, CM10 (cable Ø 6,5-11 mm)

voltage (-20% +10%)	power ratings (W)		coil insulation class	type of protection	temperature range (C°)
	hot	cold			
	48 VDC	11	13		
125 VDC	14	16	H	IP54	+5 to +50

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SPECIFICATIONS

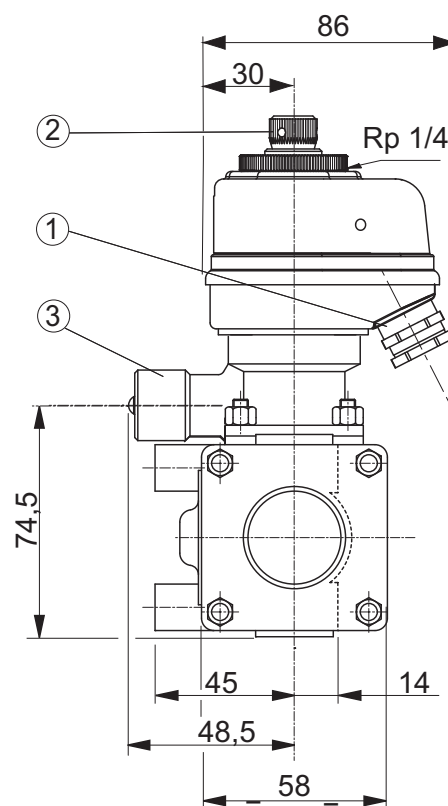
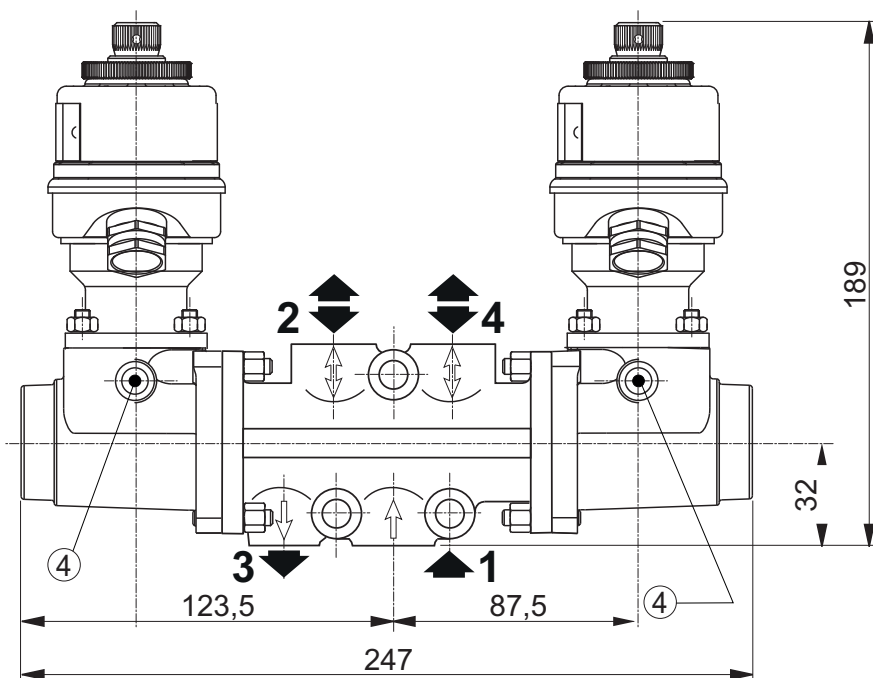
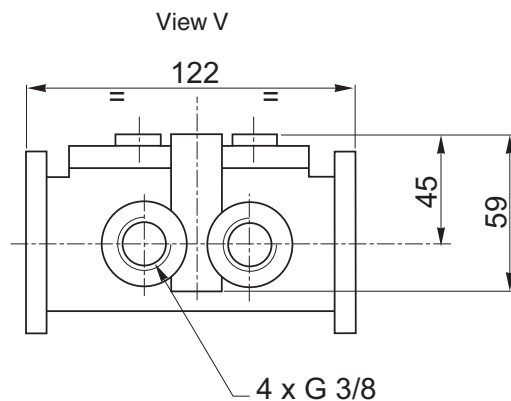
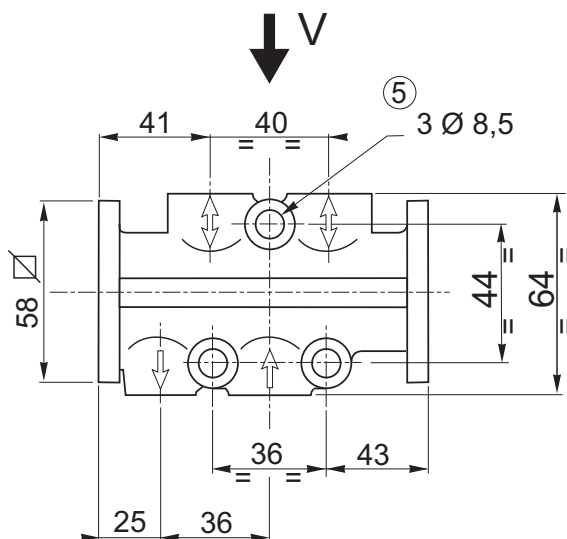
pipe size	orifice size	rated flow (ΔP 1 bar at 6,3 bar)						response time (max.)	operating pressure differential (bar)		catalogue number	reference
		(m³/h)			(l/min)				min.	max.		
		1↗2 1↗4	1↗2	2↗3	1↗2 1↗4	1↗2	2↗3					
G	(mm)							(ms)				
3/8	9	84,4	61,6	80,7	1400	1030	1345	500	3	10	23202036.48/DC 23202036.125/DC	M2T402 S ⁽¹⁾ - K2

⁽¹⁾ External supply

INSTALLATION

- The valve must be installed with the spool in horizontal position
- Do not power on unless the metal cover is properly in place
- Pipe connections (Rp) have standard thread according to ISO 7/1. Pipe connections (G) have standard thread according to ISO 228/1

DIMENSIONS (mm), WEIGHT (kg)



weight
5,5

- ① Cable entry, CM10 (Ø6,5-11 mm)
- ② 3/2 NC: exhaust protector
- ③ Manual operator location
- ④ G 1/4 for external pilot supply
- ⑤ 3 mounting holes 8,5 mm dia.