

AQ...-AL/AR...-AL Series Enclosures are highly recommended for chemical agent environments, or those with a high level of exposure to H₂O, H₂SO₄, sea-water corrosion, low and high temperatures, and other heavy duty environments. The body and cover is made of Copper free Aluminium and have a thickness of 8 mm.

Specifications

Material	Copper free Aluminium (Cu <0,1%)
IP Rating	IP66
Temperature	-50°C to +60°C
Certification & Approvals	EC-Type Examination Certificate INERIS 01ATEX0005X GOST Certificate POCC IT.ГБ04.В00496
Standards	EN 60079-0 / 60079-7 / 60079-11 / 61241-0 / 61241-1 / 61241-11 IEC 60079-0 / 60079-7 / 60079-11 / 61241-0 / 61241-1 / 61241-11
Ex-code	⊕ II 2 GD Ex e II T6/T5 Ex ia IIC T6/T5 Ex e ia IIC T6/T5 Ex tD A21 IP66 T85°C/T100°C According to European Directive 94/9/EC (ATEX) For Zone 1 / Zone 2, Zone 21 / Zone 22
Lid/Door gasket	Neoprene
Surface treatment	Painted Polyurethane finish (standard) RAL 6003 colours External polyurethane customized painting
Material thickness	Body and cover thickness 8 mm, or more
Earthing	Internal and external earth stud made in AISI 304 suitable for earth wire up to 35 sqmm
Drain plug	Drain and breather devices type ECR-1, ECR-2, ECR-11 (Optional)
Standard identification	Identification nameplate is realized in high resistance self-adhesive polyester with thermal transfer inscriptions
Quantity for entries	Maximum quantity of entries per side A/B: see table
Quantity for terminals	Bearing in mind the infinite variety of combinations available: <ul style="list-style-type: none"> • quantity of terminals • relevant cross section • class of temperature • ambient temperature <p>...we suggest using our software CALCUBOX to set up the compatible terminals strips. A free copy of CALCUBOX is usually supplied with the CD version of the Product Catalog and is also available as a download from our website.</p>
Accessories on request	Identification label resin/trafolite made with fixing screws Identification label stainless steel AISI 304 made with fixing screws Inside anti-condensation painting Hinged Cover Stainless steel AISI 304 made. Hinges fixed by bolts Threaded holes suitable for cable glands, plugs and conduit fitting, either with metric pitch 1.5, ANSI B1.20.1 NPT, UNI 6125





Entries surface available

Box Type	Code	Entries surface available	
		Short side A	Length side B
AQ-8A HTH AL	A.4200.04	138 x 270	138 x 270
AR-8 HTH AL	A.4200.05	90 x 260	90 x 417
AR-8A HTH AL	A.4200.06	90 x 417	90 x 417
AR-8A S AL	A.4200.07	90 x 260	90 x 590
AR-8A L AL	A.4200.08	160 x 490	160 x 750

Maximum number of entries

Box Type	1/2" M20		3/4" M25		1" M32		1 1/4" M40		1 1/2" M50		2" M63		2 1/2" M75		3" M80	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
AQ-8A HTH AL	31**	31**	18*	18*	16*	16*	7	7	5	5	4	4	4	4	3	3
AR-8 HTH AL	36**	24**	20*	14*	18*	12*	7	5	6	4	5	3	4	3	4	2
AR-8A HTH AL	36**	36**	20*	20*	18*	18*	7	7	6	6	5	5	4	4	4	4
AR-8A S AL	50**	34**	28*	20*	25*	17*	10	7	8	6	7	4	6	4	6	3
AR-8A L AL	76***	48***	48***	30***	39***	24***	22*	14*	20*	12*	8	5	7	4	6	4

- (*) Located on two rows
- (**) Located on three rows
- (***) Located on four rows

Range: Enclosures with High thickness wall (Hth)

Box Type	Code	External Dimensions			Internal Dimensions			Fixing Dimensions		Mounting Plate		Wall thickness (mm)	Weight Kg
		A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Dimension (mm)	Weight Kg		
AQ-8A HTH AL	A.4200.04	332	332	178	302	302	155	315	310	294x294	1,25	12	8,00
AR-8 HTH AL	A.4200.05	330	495	171	304	455	151	470	320	270x455	1,80	12	12,40
AR-8A HTH AL	A.4200.06	495	495	171	461	461	151	470	470	432x432	3,00	12	17,30
AR-8A S AL	A.4200.07	330	660	177	302	622	150	635	305	270x622	2,70	12	16,70
AR-8A L AL	A.4200.08	580	840	205	540	800	178	810	560	500x760	10	12	36,00

Dimensions

