



KDB/KB SERIES

DRAINS / BREATHERS / FLAME ARRESTORS



KDB-1



KB1B



KB1D

ATEX/IEC Ex Certified

- ① See chart below for suitability
② Warning – not for use in acetylene atmosphere

Class I, Div. 1 & 2, Groups B^①, C, D
Class I, Zones 1 & 2, Groups IIB + H2^②
Class II, Div. 1 & 2, Groups E, F, G
Class III, NEMA Type 3
II 2 G Ex d IIB IIC^② T226C Gb IP44
Ta = -50°C to +60°C



Listed - File E10514



Certified - File LR11716



Certified File 25215

IEC Ex CSA 10.0007U

SIRA 10ATEX1351U

Body Material

Aluminum with optional stainless steel or brass available for special orders.

Volume

For use in enclosures with a maximum internal volume to 9526 cubic inches or 160 liters.

KB/KD SERIES DRAIN & BREATHERS

Applications

When installed in the top of an enclosure, these fittings act as breathers which allows air flow through the enclosure. Bottom installations permit water from condensation

to drain from the enclosure continuously. The drains and breathers are offered in a variety of hub sizes, 1/4, 3/8 & 1/2 inch NPT and metric M16 & M20.

CATALOG NUMBER	THREAD SIZE	BODY MATERIAL	THIRD PARTY	SUITABILITY USA	THIRD PARTY	SUITABILITY CANADA	THIRD PARTY	SUITABILITY ATEX/IEC Ex
KB1B BREATHER	1/2 NPT	ALUMINUM	UL, FM & CSAus	CLASS I GROUPS B, C & D	c CSA	CLASS I GROUPS C & D		
KB1D DRAIN	1/2 NPT	ALUMINUM	UL, FM & CSAus	CLASS I, ZONES 1 & 2 GR IIB+H2	c CSA	CLASS I, ZONES 1 & 2 GR IIB		
KB1BCEN BREATHER	1/2 NPT	ALUMINUM	CSAus	CLASS II GROUPS E, F, & G	c CSA	CLASS II GROUPS E, F & G	SIRA/CSA	II 2 G Ex d IIC
KB1DCEN DRAIN	1/2 NPT	ALUMINUM	CSAus	CLASS III ENCL TYPE 3	c CSA	CLASS III ENCL TYPE 3	SIRA/CSA	T226C Gb IP44 ^②
KBM20BCEN BREATHER	M20	ALUMINUM	CSAus		c CSA		SIRA/CSA	
KBM20DCEN DRAIN	M20	ALUMINUM	CSAus		c CSA		SIRA/CSA	
 KDB-1 DRAIN / BREATHER	1/2 NPT	STAINLESS STEEL	UL, FM & CSAus	CLASS I GROUPS C & D	c CSA	CLASS I GROUPS C & D		
KDB-250 DRAIN / BREATHER	1/4 NPT	ALUMINUM	CSAus	CLASS I, ZONES 1 & 2 GR IIB	c CSA	CLASS I, ZONES 1 & 2 GR IIB		
KDB-375 DRAIN / BREATHER	3/8 NPT	ALUMINUM	CSAus	CLASS II GROUPS E, F & G	c CSA	CLASS II GROUPS E, F & G		
KDB-250CEN DRAIN / BREATHER	1/4 NPT	ALUMINUM	CSAus	CLASS III ENCL TYPE 3	c CSA	CLASS III ENCL TYPE 3	SIRA/CSA	II 2 G Ex d IIB
KDB-375CEN DRAIN / BREATHER	3/8 NPT	ALUMINUM	CSAus		c CSA		SIRA/CSA	T3 Gb IP44
KDB-M16CEN DRAIN / BREATHER	M16	ALUMINUM	CSAus		c CSA		SIRA/CSA	

KB SERIES FLAME ARRESTOR

Applications

The flame arrestor provides a means to connect gas analysis equipment and electro pneumatic devices' pipe or tubing system through the wall of an explosion-proof enclosure.

Body Material: 6061-T6 series aluminum provided as standard. Optional stainless steel or brass for special orders.

ATEX/IEC Ex Certified



Class I, Div. 1 & 2, Groups B^①, C, D
Class I, Zones 1 & 2, Groups IIB + H2^②
Class II, Div. 1 & 2, Groups E, F, G
Class III, NEMA Type 3, 4^①
II 2 G Ex d IIB IICk T3 Gb IP66^②
Ta = -50°C to +60°C



Certified - File LR11716

IEC Ex CSA 10.0007U

SIRA 10ATEX1351U

See chart below for suitability

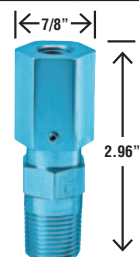
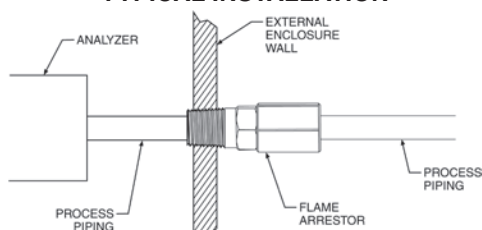
Warning – not for use in acetylene atmospheres

CATALOG NUMBER	EXTERNAL THREAD SIZE	INTERNAL THREAD SIZE	THIRD PARTY	SUITABILITY USA	THIRD PARTY	SUITABILITY CANADA	THIRD PARTY	SUITABILITY ATEX/IEC Ex
KB1FA25	1/2 NPT	1/4 NPT	CSAus	CLASS I GROUPS B, C & D	c CSA	CLASS I GROUPS C & D	SIRA/CSA	II 2 G Ex d IIC ^②
 KB1FA25SS6				CLASS I, ZONES 1 & 2 GR IIB+H2 CLASS II GROUPS E, F, & G CLASS III TYPE 3 & 4	c CSA	CLASS I, ZONES 1 & 2 GR IIB CLASS II GROUPS E, F & G CLASS III TYPE 3 & 4		T3 Gb IP66
KDB-1 DRAIN / BREATHER	1/2 NPT	M16	CSAus	CLASS I GROUPS B, C & D	c CSA	CLASS I GROUPS C & D	SIRA/CSA	II 2 G Ex d IIC
KDB-250 DRAIN / BREATHER	M20	1/4 NPT	CSAus	CLASS I ZONES 1 & 2 GR IIB+H2	c CSA	CLASS I, ZONES 1 & 2 GR IIB	SIRA/CSA	T3 Gb IP65
KDB-375 DRAIN / BREATHER	M20	M16	CSAus	CLASS II GROUPS E, F & G CLASS III TYPE 3	c CSA	CLASS II GROUPS E, F & G CLASS III TYPE 3	SIRA/CSA	

Specifications

Air flow = 83 + 15 / -25 SCFH at 5PSI
Pressure drop = 1.3 PSI at 100 PSI
Maximum flow pressure = 800 PSI
Volume = For use in enclosures with a maximum internal volume of 9526 cubic inches or 160 liters.

TYPICAL INSTALLATION



Stock held in the UK by Scattergood & Johnson Ltd. Available for next day delivery.



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