ENGINEERING TOMORROW

Danfoss Hansen® Quick disconnect couplings

Introducing the Danfoss Hansen aluminium flat face ADB coupling

Developed for cooling systems in electric applications with circulating water and antifreeze fluids. This coupling provides an enhanced solution to prevent spillage of cooling agent which can cause technical failures, system shutdowns, and difficult clean-ups.

Aluminium Flat Face ADB coupling offers no-spill, flat-face design, and high reliability Safe connection **Endurance to exposure High flow rates** Aluminium construction Aluminium construction Up to 62% higher flow than extends life for safer operations enhances operations in ISO 16028 requirements to and reduced maintenance demanding applications with improve efficiency heat and vibration compared to plastic couplings Higher pressure rate from 29% Flat Face aluminium (ADB) Optimal to be used in coupling is light weight and environments with vibration and to 62% compared to ISO 16028 requirements, reducing pressure strong, providing resistance to heat exposure. environmental exposure, pressure drops and increasing cooling It connects with a 4-times safety and mechanical stress. system efficiency. factor at maximum operating It is designed to extend the life pressure of 25 bar. of the coupling, minimizing spill Options are available for railway risk in critical electric cooling applications with an enhanced applications, offering end users version for vibration resistance reduced maintenance, and tested according to EN 61373. safer operations.



- **Pre-guided system** that helps users pre-position the coupling in difficult environments, making connection easy and reducing maintenance time.
- Full range of optional seals, end connections, and sizes helping manufacturers benefit from the design in any type of application.
- Due to the aluminium material, ADB couplings are available in a variety of color coding options, and can be anodized in colors such as red, blue and even in gold, aiding assembly and field maintenance processes.

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ADB Model	ISO size	Body size	Normal Flow Diameter	Max. Operating Pressure		Rating* Flow
	(mm)	(in)	(mm)	(bar)	(psi)	(lpm)
A2DB	6.3	1/4"	5.9	25	360	360
A3DB	10	3/8"	9	25	360	360
A4DB	12.5	1/2"	11.5	25	360	360
A6DB	19	3/4"	15	25	360	360
A8DB	25	1"	18.5	25	360	360

* Indicated values refer to a 1 bar/14.5 psi pressure drop