

# Danfoss Hansen® quick disconnect couplings

## Product overview

Danfoss Hansen quick disconnect couplings are well known for outstanding performance and robust design, driving leak-free operations.

Since the invention of the quick-release coupling by Fred Hansen in 1915, the Hansen name has been known for setting new industry standards in fluid conveyance – building a strong global reputation for performance, resilience and reliability.

Danfoss Hansen quick disconnect couplings offer comprehensive portfolio of solutions with over 6,000 possible configurations that can meet any challenge facing the customers, even in the most demanding applications.

### Improved efficiency

The innovative design of Danfoss Hansen quick disconnect couplings enables higher flow rates with an optimized flow path, reducing pressure drops and increasing overall system efficiency.

In turn, this decreases component wear and tear, lowers application energy consumption, and reduces system space and weight – all of which can slash both energy consumption and cost of ownership.

### High operating pressure

Most Danfoss Hansen couplings offer higher operating pressure as required in related international standards. In addition, a wide range of coupling series with proprietary design are optimized from a design and material perspective to allow highest pressure ratings in the market.

### Wide range of QDC

The updated Danfoss Hansen product line offers to customers a plethora of options. Available in a wide variety of materials and sizes, along with optimized sealing solutions, the couplings are highly customizable based on the performance and cost demands of customers specific applications.

### Dura-Kote™

Most Danfoss Hansen quick disconnect couplings also come with Dura-Kote plating, offering exceptional corrosion protection that prevents red rust for up to 1,000 hours, extending their lifespan and reducing maintenance demands.

### Fluid transfer and hydraulic

 <b>H15000</b> Steel ISO 7241-1 A	 <b>IA</b> Steel ISO 7241-1 A	 <b>S600</b> Carbon steel, stainless steel ISO 7241-1 A	 <b>FD72/FD76</b> Carbon steel ISO 5675	 <b>HK</b> Steel, stainless steel, brass ISO 7241-1 B	 <b>HKFR</b> Carbon steel, stainless steel ISO 7241-1 B, API 16 D
 <b>2HKIG/IL</b> Stainless steel	 <b>H5000</b> Steel, stainless steel, brass Proprietary profile	 <b>FD48</b> Carbon steel SM250	 <b>ST</b> Steel, stainless steel, brass Proprietary profile	 <b>L7000</b> Steel, stainless steel, brass Proprietary profile	 <b>FF</b> Steel ISO 16028
 <b>FFCUP</b> Steel ISO 16028	 <b>MLFF</b> Stainless steel ISO 16028	 <b>Multi-FF</b> Steel Proprietary design	 <b>FD49</b> Steel NFPA T3.20.15 HTMA	 <b>FD96</b> Steel	 <b>K8000</b> Steel Industrial interchange
 <b>Q9000</b> Steel ISO 5676	 <b>MLDB</b> Stainless steel Proprietary profile	 <b>Safe Breakaway</b> Stainless steel Proprietary profile	 <b>IP</b> Stainless steel Proprietary profile	 <b>W36000</b> Steel ISO 14541	 <b>GA90090</b> Steel
 <b>W6000</b> Steel, stainless steel Proprietary profile	 <b>S100</b> Brass Industrial interchange	 <b>FD86</b> Steel	 <b>W46000</b> Steel Industrial interchange	 <b>FD85</b> Steel, stainless steel Industrial interchange	

### Pneumatic

 <b>Safeline</b> Aluminum/brass ISO 6150 B and C	 <b>G600, 1900, T1100, T1300</b> Brass ISO 6150 B	 <b>1000/400/500</b> Steel ISO 6150 B
 <b>3000/4000/5000/6000</b> Brass ISO 6150 B	 <b>Autoflo23/24</b> Brass ISO 6150 B	 <b>600/700</b> Brass Proprietary profile
 <b>210/310</b> Steel Industrial interchange	 <b>100</b> Steel, brass Proprietary profile	 <b>180/280</b> Brass Proprietary profile
 <b>Full Bore</b> Zinc plated steel ISO 6150 B	 <b>Gasmate</b> Brass Proprietary profile	 <b>2RL/3RL</b> Zinc plated steel Proprietary profile
 <b>Flex-air</b> Brass	 <b>Blow guns</b> Plastic and steel	 <b>Adapters</b> Steel, stainless steel, brass





### Thermal management

 <b>ADB</b> Aluminum Proprietary profile	 <b>FD83</b> Stainless steel Patented proprietary profile
 <b>UQD</b> Stainless steel OCP standard	 <b>Flo-Temp</b> Brass Proprietary profile

### High pressure

 <b>HP3</b> Steel Industrial interchange	 <b>W56000</b> Steel Industrial interchange
 <b>FD35</b> Steel Industrial interchange	 <b>UH</b> Steel Industrial interchange


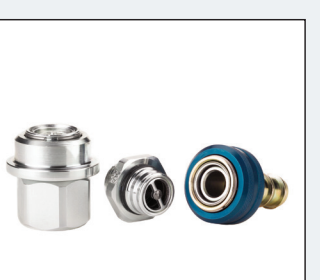
### Diagnostic

 <b>FD15</b> Brass Proprietary design	 <b>FD90</b> Steel SAE J1502 interchange
 <b>FF14802 pressure gauge kit</b> Steel Industrial interchange	 <b>FS flow sensor</b> Steel

### Food and beverage

 <b>2HKGL</b> Stainless steel Proprietary profile
 <b>12LFP</b> Steel Proprietary profile

### Check valves

 <b>R4000</b> Steel, stainless steel, brass
 <b>FD14</b> Steel Proprietary profile

### Industrial gas

 <b>5400</b> Steel Proprietary profile
--

### FLOCs

 <b>FD69</b> Steel, stainless steel Proprietary profile
---


### Breathing air

 <b>FD17</b> Stainless steel, aluminum Proprietary profile	 <b>Safe Breathe</b> Stainless steel Proprietary profile	 <b>2500</b> Steel Proprietary profile
--	--	---

### Quick seal

 <b>PR</b> Steel Proprietary design	 <b>TC/MTC/RTC/OTC</b> Steel Proprietary design	 <b>Hand K</b> Steel-rubber Proprietary design
---	---	--

### Refrigerant

 <b>5400</b> Steel Proprietary profile
--

### Water blast

 <b>FD69</b> Steel, stainless steel Proprietary profile
---