

ultraFLOW Couplings & Nipples

- Unequaled low pressure drop
- Lightweight and compact design
- Colour coding option to eliminate cross connection
- Universal connections for total flexibility

Power density is increasing rapidly, requiring an effective cooling solution to avoid overheating. Traditionally air has been the preferred solution, but with the fast-moving development, liquid cooling has been shown to be the most effective. However, many people worry about leaks being just as damaging as overheating in the event of an incident.

This is why we have developed ultraFLOW. It is a series of lightweight couplings with flat-face design to guarantee no-spill, high flow and low pressure drop for the lowest pump pressure. This will extend hardware life and keep running costs low.

The ultraFLOW series is leak tested to ensure reliable couplings for your liquid cooling solutions. They are made of hard-coated high-strength aluminium to make them lightweight and durable. This makes them ideal for connecting all types of fluid lines, whether your application involves glycol-water, dielectric fluids or mineral or synthetic heat transfer oils.



TECHNICAL DATA

	Series 287	Series 487	Series 587	Series 687	Series 787
Nominal flow diameter	5 mm (1/4")	8 mm (5/16")	12 mm (1/2")	15 mm (3/5")	20 mm (4/5")
Max. working pressure	10 bar (145 PSI)				
Min. burst pressure	40 bar (580 PSI)				
Temperature range	-40°C - +150°C (-40°F - +302°F)				
Material coupling	Hard anodized aluminium				
Material nipple	Hard anodized aluminium				
Kv (double shut-off)	0.93	2.93	8.08	10.3	15.7
Cv (double shut-off)	1.08	3.39	9.34	11.9	18.2
Comment	Flow coefficient Kw/ Cv are specified for flow direction with lowest value. Color coding possible as an option.	Flow coefficient Kw/ Cv are specified for flow direction with lowest value. Color coding possible as an option.	Flow coefficient Kw/ Cv are specified for flow direction with lowest value. Color coding possible as an option.	Flow coefficient Kw/ Cv are specified for flow direction with lowest value. Color coding possible as an option.	Flow coefficient Kw/ Cv are specified for flow direction with lowest value. Color coding possible as an option.
Material seal	EPDM -30°C - +150°C; FVMQ -40°C - +150°C				

CEJN reserves the right to make changes without further notification. Check with an authorized CEJN distributor for availability and prices. All measurements are in mm. Thread connections are listed according to ISO Standards. Other connections and sealing material on request. Please visit our website, www.cejn.com, for general maintenance tips. Some part numbers may be subject to minimum order quantities.



Electronic equipment medical imaging



High power IGBT traction drives

	Connection	Part No.		Connection	Seal
Series 287	Couplings (Sockets)	10 287 1022	Hose connection	6.4 mm (1/4")	EPDM
		10 287 1032	Hose connection	6.4 mm (1/4")	FVMQ
		10 287 1222	Female thread	G 1/4" (BSP)	EPDM
		10 287 1232	Female thread	G 1/4" (BSP)	FVMQ
		10 287 1272	Male thread	G 1/4" (BSP)	EPDM
		10 287 1282	Male thread	G 1/4" (BSP)	FVMQ
	Nipples (Plugs)	10 287 6022	Hose connection	6.4 mm (1/4")	EPDM
		10 287 6032	Hose connection	6.4 mm (1/4")	FVMQ
		10 287 6222	Female thread	G 1/4" (BSP)	EPDM
		10 287 6232	Female thread	G 1/4" (BSP)	FVMQ
		10 287 6272	Male thread	G 1/4" (BSP)	EPDM
		10 287 6282	Male thread	G 1/4" (BSP)	FVMQ
	Accessories	10 287 4272	Washer/ O-ring	G 1/4" (BSP)	EPDM
		10 287 4282	Washer/ O-ring	G 1/4" (BSP)	FVMQ
	Series 487	Couplings (Sockets)	10 487 1026	Hose connection	Hose 5/8"
10 487 1036			Hose connection	Hose 5/8"	FVMQ
10 487 1224			Female thread	G 3/8" (BSP)	EPDM
10 487 1225			Female thread	G 1/2" (BSP)	EPDM
10 487 1234			Female thread	G 3/8" (BSP)	FVMQ
10 487 1235			Female thread	G 1/2" (BSP)	FVMQ
10 487 1274			Male thread	G 3/8" (BSP)	EPDM
10 487 1275			Male thread	G 1/2" (BSP)	EPDM
10 487 1284			Male thread	G 3/8" (BSP)	FVMQ
10 487 1285			Male thread	G 1/2" (BSP)	FVMQ
10 487 1926			Hose connection- 90° angle	Hose 5/8"	EPDM
10 487 1936			Hose connection- 90° angle	Hose 5/8"	FVMQ
10 487 1974			Male thread- 90° angle	G 3/8" (BSP)	EPDM
10 487 1975			Male thread- 90° angle	G 1/2" (BSP)	EPDM
10 487 1984			Male thread- 90° angle	G 3/8" (BSP)	FVMQ
10 487 1985		Male thread- 90° angle	G 1/2" (BSP)	FVMQ	
Nipples (Plugs)		10 487 6026	Hose connection	Hose 5/8"	EPDM
		10 487 6036	Hose connection	Hose 5/8"	FVMQ
		10 487 6224	Female thread	G 3/8" (BSP)	EPDM
		10 487 6225	Female thread	G 1/2" (BSP)	EPDM
		10 487 6234	Female thread	G 3/8" (BSP)	FVMQ
		10 487 6235	Female thread	G 1/2" (BSP)	FVMQ
		10 487 6275	Male thread	G 1/2" (BSP)	EPDM
		10 487 6284	Male thread	G 3/8" (BSP)	FVMQ
		10 487 6285	Male thread	G 1/2" (BSP)	FVMQ
		Accessories	10 487 4274	Washer/ O-ring	G 3/8" (BSP)
10 487 4275			Washer/ O-ring	G 1/2" (BSP)	EPDM
10 487 4284	Washer/ O-ring		G 3/8" (BSP)	FVMQ	
10 487 4285	Washer/ O-ring		G 1/2" (BSP)	FVMQ	

	Connection	Part No.		Connection	Seal	
Series 587	Couplings (Sockets)	10 587 1027	Hose connection	19 mm (3/4")	EPDM	
		10 587 1037	Hose connection	19 mm (3/4")	FVMQ	
		10 587 1225	Female thread	G 1/2" (BSP)	EPDM	
		10 587 1227	Female thread	G 3/4" (BSP)	EPDM	
		10 587 1235	Female thread	G 1/2" (BSP)	FVMQ	
		10 587 1237	Female thread	G 3/4" (BSP)	FVMQ	
		10 587 1275	Male thread	G 1/2" (BSP)	EPDM	
		10 587 1277	Male thread	G 3/4" (BSP)	EPDM	
		10 587 1285	Male thread	G 1/2" (BSP)	FVMQ	
		10 587 1287	Male thread	G 3/4" (BSP)	FVMQ	
	Nipples (Plugs)	10 587 1927	Hose connection- 90° angle	19 mm (3/4")	EPDM	
		10 587 1937	Hose connection- 90° angle	19 mm (3/4")	FVMQ	
		10 587 1977	Male thread- 90° angle	G 3/4" (BSP)	EPDM	
		10 587 1987	Male thread- 90° angle	G 3/4" (BSP)	FVMQ	
		10 587 6027	Hose connection	19 mm (3/4")	EPDM	
		10 587 6037	Hose connection	19 mm (3/4")	FVMQ	
		10 587 6227	Female thread	G 3/4" (BSP)	EPDM	
		10 587 6237	Female thread	G 3/4" (BSP)	FVMQ	
		10 587 6275	Male thread	G 1/2" (BSP)	EPDM	
		10 587 6277	Male thread	G 3/4" (BSP)	EPDM	
Accessories	10 587 6285	Male thread	G 1/2" (BSP)	FVMQ		
	10 587 6287	Male thread	G 3/4" (BSP)	FVMQ		
	10 587 4277	Washer/ O-ring	G 3/4" (BSP)	EPDM		
	10 587 4287	Washer/ O-ring	G 3/4" (BSP)	FVMQ		
	10 487 4275	Washer/ O-ring	G 1/2" (BSP)	EPDM		
	10 487 4285	Washer/ O-ring	G 1/2" (BSP)	FVMQ		
	Series 687	Couplings (Sockets)	10 687 1221	Female thread	G 3/4" (BSP)	EPDM
			10 687 1231	Female thread	G 3/4" (BSP)	FVMQ
10 687 1271			Male thread	G 3/4" (BSP)	EPDM	
10 687 1281			Male thread	G 3/4" (BSP)	FVMQ	
Nipples (Plugs)		10 687 6221	Female thread	G 3/4" (BSP)	EPDM	
	10 687 6231	Female thread	G 3/4" (BSP)	FVMQ		
	10 687 6271	Male thread	G 3/4" (BSP)	EPDM		
	10 687 6281	Male thread	G 3/4" (BSP)	FVMQ		
	Accessories	10 587 4277	Washer/ O-ring	G 3/4" (BSP)	EPDM	
10 587 4287		Washer/ O-ring	G 3/4" (BSP)	FVMQ		
Series 787	Couplings (Sockets)	10 787 1223	Female thread	G 1" (BSP)	EPDM	
		10 787 1224	Female thread	G 1 1/4" (BSP)	EPDM	
		10 787 1233	Female thread	G 1" (BSP)	FVMQ	
		10 787 1234	Female thread	G 1 1/4" (BSP)	FVMQ	
		10 787 1273	Male thread	G 1" (BSP)	EPDM	
		10 787 1274	Male thread	G 1 1/4" (BSP)	EPDM	
		10 787 1283	Male thread	G 1" (BSP)	FVMQ	
		10 787 1284	Male thread	G 1 1/4" (BSP)	FVMQ	
		10 787 6223	Female thread	G 1" (BSP)	EPDM	
		10 787 6224	Female thread	G 1 1/4" (BSP)	EPDM	
	Nipples (Plugs)	10 787 6233	Female thread	G 1" (BSP)	FVMQ	
		10 787 6234	Female thread	G 1 1/4" (BSP)	FVMQ	
		10 787 6273	Male thread	G 1" (BSP)	EPDM	
		10 787 6274	Male thread	G 1 1/4" (BSP)	EPDM	
		10 787 6283	Male thread	G 1" (BSP)	FVMQ	
Accessories	10 787 4283	Washer/ O-ring	G 1" (BSP)	FVMQ		
	10 787 4284	Washer/ O-ring	G 1 1/4" (BSP)	FVMQ		
	10 787 4273	Washer/ O-ring	G 1" (BSP)	EPDM		
	10 787 4274	Washer/ O-ring	G 1 1/4" (BSP)	EPDM		



EV liquid cold plate