Vertiv™ CoolChip Fluid Network

In-rack manifolds for the technology cooling system (TCS)

The Vertiv™ CoolChip Fluid Network Rack Manifolds provide a connection between servers and the coolant distribution unit. The stainless steel manifolds mount in the zero-U space of industry-standard racks, helping simplify installation. They feature dripless quick disconnects and multiple coupling sizes to support scalability across a range of deployment sizes.

Key benefits

Dripless quick disconnects
Enable quick and safe installation and service operation.

Multiple sizes and flow rates
Allow for customization of your liquid cooling deployment.

Arrives pre-cleaned
Vacuum brazed stainless steel construction and factory validated precleaning process.

Material Specifications

Tube construction	304 Stainless Steel
Max operating pressure, bar (psi)	8 (116)
System operation temperature, °C (F)	0 to 70 (32 to 158)

Hose Specifications

Material	UL94 V0 Rating EPDM			
Sizes mm (in)	6.4 (0.25)	9.5 (0.37)	12.7 (0.5)	25.4 (1)
Length, m (ft)	0.4 (1.3)	0.4 (1.3)	0.4 (1.3)	1 (3.3)
Outside diameter, mm (in)	15 (0.59)	18.5 (0.73)	22 (0.87)	36.5 (1.44)
Min. allowable bend radius, mm (in)	50 (2)	65 (2.5)	75 (3)	150 (6)



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	RM112	RM113	RM114	RM122	RM123	RM123	RM123	RM123	RM123
Weight dry, kg (lbs)	38.96 (85.88)	34.41 (75.86)	29.87 (65.85)	49.24 (108.54)	43.42 (95.73)	37.58 (82.85)	69.36 (152.90)	61.02 (134.53)	52.67 (116.12)
Operational weight, kg (lbs)	53.81 (118.63)	48.15 (105.85)	42.22 (93.10)	65.66 (144.76)	58.40 (128.74)	51.11 (112.67)	88.10 (194.12)	77.98 (171.92)	67.9 (149.69)
Coupling ID, mm	3	3	3	6	6	6	9	9	9
Port quantity	48	42	36	48	42	36	48	42	36
Rack size compatibility	52U	48U / 52U	42U / 48U / 52U	52U	48U / 52U	42U / 48U / 52U	52U	48U / 52U	42U / 48U / 52U
Inlet position	Top or bottom								

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SL-80702 (10/26)