

GATES® FULL FLOW QUICK DISCONNECTS

FOR DATA CENTERS

With ball-valves that create a secure seal and ensure minimal pressure drop when opened and dual-interlock technology used to prevent accidental spillage, Gates Full Flow Quick Disconnects are your solution for quality, reliable Data Master™ MegaFlex™ assemblies.

BETTER COOLING, BETTER BUSINESS



Maximum coolant flow for peak thermal performance



Leak-proof reliability that protects your equipment—and your bottom line



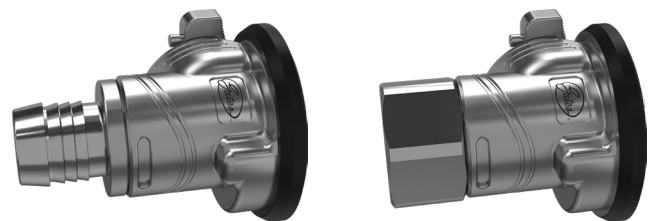
Dual-interlock technology to ensure no accidental coolant release



Rugged 1/4-turn twist connection to easily mate couplings

TECHNICAL SPECIFICATIONS

Material	304 Stainless Steel
Sealing material	EPDM
Maximum working pressure	232 psi (16 bar)
Minimum burst pressure	928 psi (64 bar)
Maximum Flow Rate	300L/min
Connection Force (@0 psi)	< 5N
Operating temperature range	-40°F to 248°F (-40°C to 120°C)
Shipping/Storage temperature range	-40°F to 302°F (-40°C to 150°C)



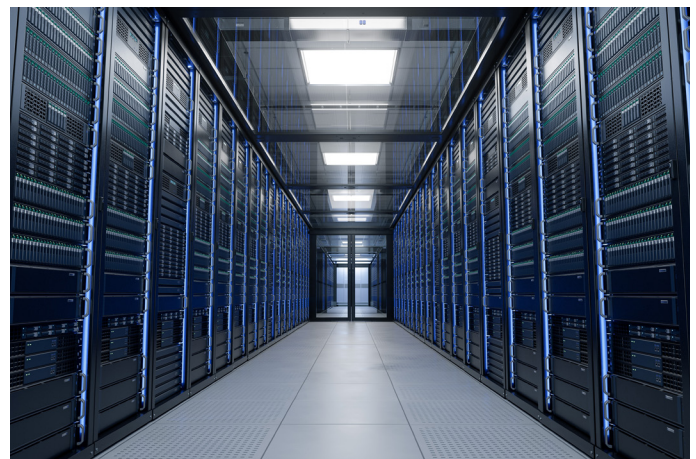
HIGH COMPATABILITY FOR SCALABILITY

As rack densities surge and data centers grow more and more sophisticated, ensure compatibility between your current design and the future hose connections with Gates Full Flow Quick Disconnects that mates with similar form-factor couplings.



EFFICIENCY, WITH LEAK PREVENTION

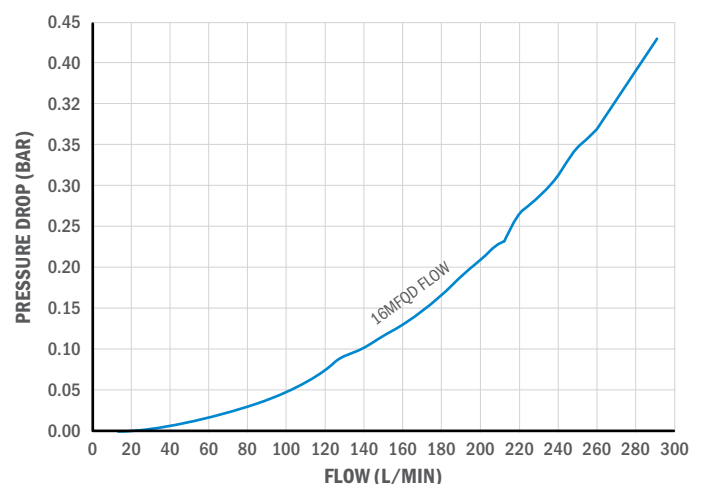
Server racks and trays are full of sensitive and expensive electronics, and containing liquid coolant is of utmost importance. Prevent accidental spills during and after connection or disconnection and minimize pressure drop across the junction with our 1/4 turn, dual interlock technology. Better design for better performance.



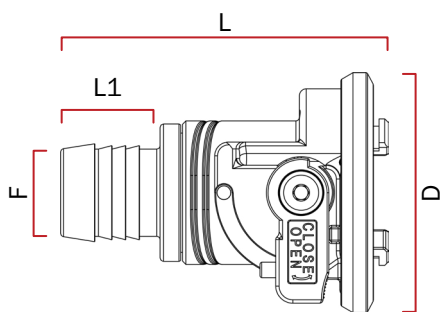
FULL FLOW RATE DETAILS

Meant for high-volumetric flow, perfect for supply lines for facility water cooling and CDU connections. Use with Data Master MegaFlex hose to efficiently connect and allow for flexibility when installing supply lines.

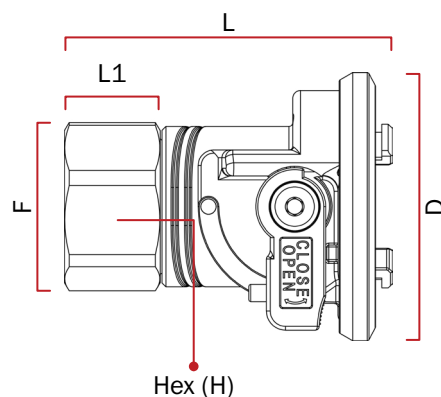
FLOW RATE	16MFQD	24MFQD	32MFQD
Nominal Diameter DN (mm)	20	32	40
Minimum CV	30.0	71.3	132.0



FULL FLOW QUICK DISCONNECTS



WITH BARB



THREADED

PRODUCT CONFIGURATION	DESCRIPTION	THREAD TYPE (F)	DIMENSIONS (MM)			
			D	L1	L	H
1" Full Flow with Hose Barb	16MFQD-16CLB	1" Clamp Hose Barb	69.9	29.0	95.6	N/A
1" Full Flow with Female Thread	16MFQD-16FBSPP	G1" Thread Female	69.9	22.0	85.6	40.0
1" Full Flow with 1" Sanitary Flange*	16MFQD-16SF	1.984" Flange OD	69.9	21.5	88.1	N/A
1.5" Full Flow with Hose Barb	24MFQD-24CLB	1-1/2" Clamp Hose Barb	88.0	37.5	115.2	N/A
1.5" Full Flow with Female Thread	24MFQD-24FBSPP	G1-1/2" Thread Female	88.0	21.4	106.7	55.0
1.5" Full Flow with 1.5" Sanitary Flange*	24MFQD-24SF	1.984" Flange OD	88.0	21.5	99.0	N/A
2" Full Flow with Hose Barb	32MFQD-32CLB	2" Clamp Hose Barb	103.0	40.0	129.0	N/A
2" Full Flow with Female Thread	32MFQD-32FBSPP	G2" Thread Female	103.0	25.7	119.6	70.0
2" Full Flow with 2" Sanitary Flange*	32MFQD-32SF	2.516" Flange OD	103.0	21.5	109.9	N/A



EXPLORE MORE
DATA CENTER
COOLING SYSTEMS