

CompuZol™

IMMERSION FLUID SOLUTION

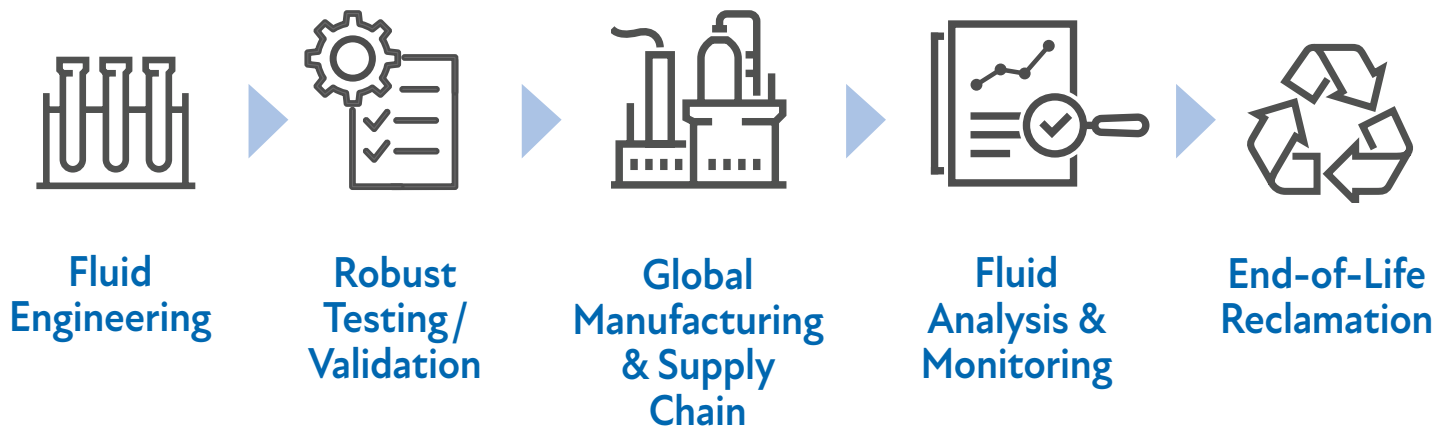
By **Lubrizol**

IMMERSION COOLING MADE SIMPLE –
COMPUZOL™ IMMERSION FLUID SOLUTION
BY LUBRIZOL®

WHY CHOOSE COMPUZOL™ IMMERSION FLUID SOLUTION BY LUBRIZOL®?

CompuZol™ Immersion Fluid Solution is more than just a fluid. It's an end-to-end dielectric immersion cooling offering from experts with more than 90 years of formulating, testing and manufacturing experience in specialty chemicals. And it's built to address the factors that matter most when you make the transition from air cooling.

Your Fluid Lifecycle



at 25°C unless noted	CompuZol™ IM2015	CompuZol™ IM2020	CompuZol™ IM2025
Kinematic Viscosity (cSt)	6.9	13.8	47.2
Thermal Conductivity (W/m°C)	0.144	0.145	0.154
Density (g/ml)	0.80	0.81	0.83
Specific Heat (J/g°C)	2.028	2.107	1.810
Kinematic Viscosity (cSt)	6.9	13.8	47.2
Dielectric Constant	2.28	2.26	2.21
Open Flash Cup Point (°C, ASTM D92)	160	202	251

COMPUZOL™ BY LUBRIZOL® OFFERS...



Heat Transfer
Performance



Improved Data
Center Footprint



System
Compatibility &
Durability



Low
Environmental
Impact



Regulatory
Compliance



Global Supply
Chain

...An End-to-End Immersion Cooling Fluid Solution.

CompuZol™ fluids are mixtures of hydrocarbon fluids and additives tailored to provide performance, durability and compatibility with computer and tank hardware. They comply with global regulatory requirements and are available worldwide.

Additionally, Lubrizol's expert chemists can provide support at every stage of your data center's lifecycle. Specifically, Lubrizol can offer fluid analysis and monitoring services to ensure your fluid's health. And when your fluid reaches the end of its life, we provide fluid reclamation services to support your sustainability goals.

...An Unwavering Commitment to Safety.

Safety is non-negotiable. CompuZol products are formulated with a PFAS-free, single-phase approach, ensuring environmental and operational safety. Patented anti-static technology minimizes risks in your data center environment, while a high flash point exceeding NFPA 75 limits provides safety assurance.

With CompuZol you can rest assured that your data center operates with the utmost safety standards in mind.

BACKED BY RIGOROUS TESTING

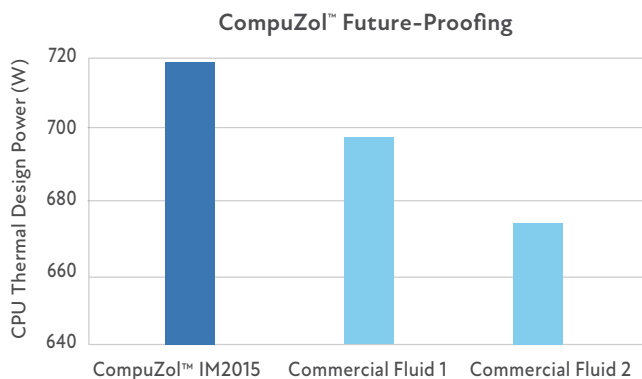
Lubrizol leveraged its deep understanding of fluid material compatibility to put CompuZol immersion fluids to the test. Notably, we examined their interactivity with more than 100 materials and components commonly found in compute environments.

CompuZol products demonstrated exceptional oxidative durability and the potential to extend the life of your immersion system compared to other market-leading fluids.

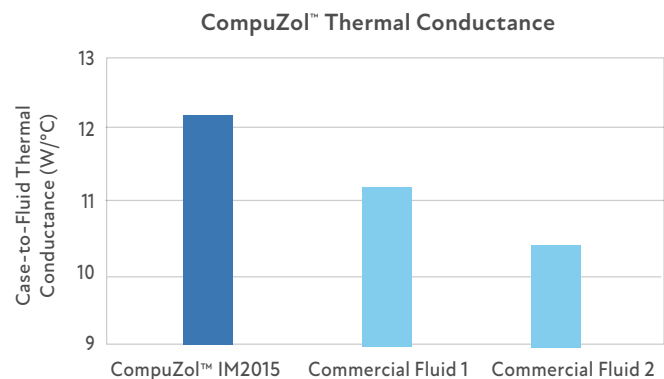
Future-Proofed for Long Term Thermal Performance

CompuZol products are the result of almost a century of Lubrizol fluid expertise and strategic partnerships. We not only tailor-formulated our fluids to provide enhanced thermal performance today, but also for the compute and power demands of tomorrow.

In other words, CompuZol is designed to give you enhanced performance now and provide you with safe head room as your compute demands grow.



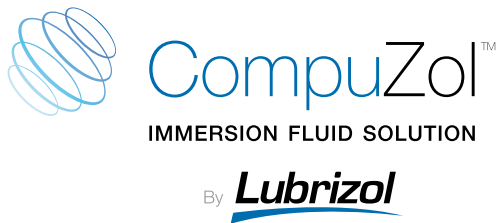
CompuZol IM2015 can enable higher TDP workloads when optimally paired with the right immersion hardware.



CompuZol IM2015 demonstrates significantly higher thermal conductance than other commercially available fluids.



For more information, visit us online at
<http://go.lubrizol.com/compuzol>



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