

ADVANTAGES OF ACE-THREDS

Internally threaded glass fittings that make it possible to mate to fittings made of polymeric and metals. Ace-Threds are used in many applications and on glass apparatus we fabricate to facilitate ease of joining and separating various glass components. This invention allows for scientists to join glassware without using grease and worrying about mating up glass standard taper joints that frequently lock or “freeze-up”.

Ace-Thred™ Conveniences

- Convert virtually any connection to Ace-Thred™
- Eliminate the need for greased joints
- Can hold vacuum/pressure with use of O-Rings
- No more fumbling with clamps
- Available on adapters, vessels, condensers, heads, and much more
- Adapters to convert to any type of connection

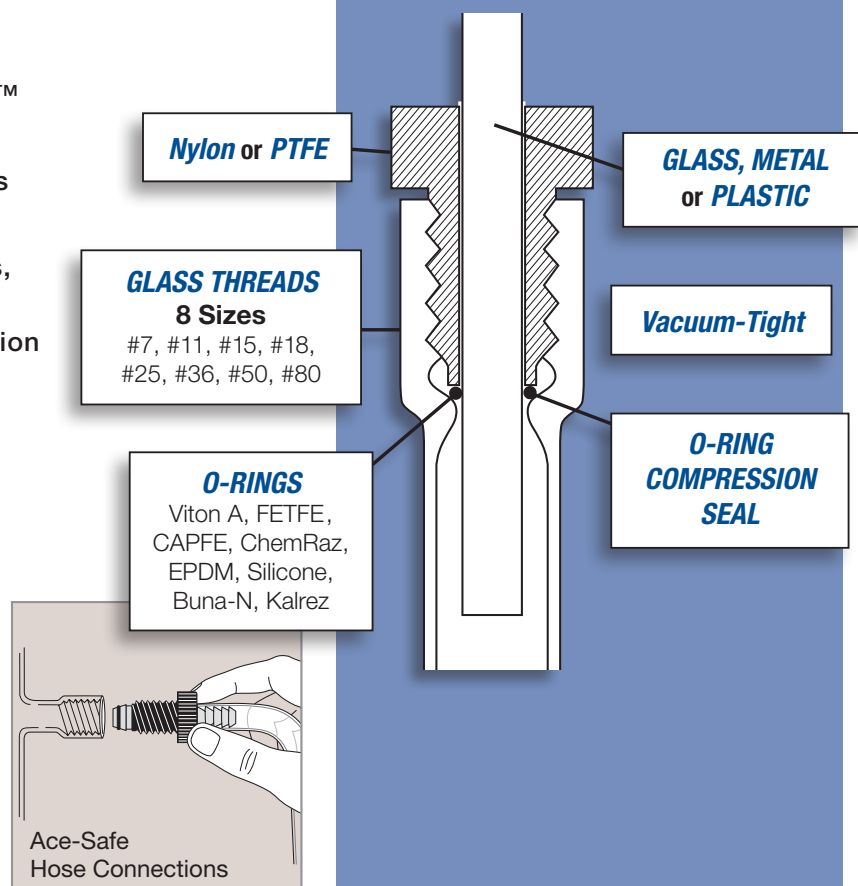
Ace-Safe™

- Ace-Thred to hose connections
- Less breakage than glass hose barbs
- Bushing slides over barbed end and secures with an O-Ring for seal
- Different materials available
- Use with various hose/tubing sizes

Also Available...

Contact us about substituting Ace-Threds on your next piece of laboratory glassware.

**U.S. PATENT
#3,695,642**



ADVANTAGES OF ACE-THREDS

Ace-Threds with Bushing and O-Ring have proven useful as Adapters in: Pressure Ware, Distillation, Filtration, Chromatography, Flasks, Reaction Equipment, Environmental Glassware, Hi-Vacuum Stopcocks, No-Air Glassware, Photochemical Equipment, and many other applications.

As a general rule, the #7, #11 and #15 threads can attain a vacuum of 10^{-5} or better using the FETFE O-Ring supplied. The #25 thread will attain a vacuum of 10^{-4} or better. The diameter and surface condition of the inner tube or rod inserted in the thread have an influence on the vacuum that can be attained.

The vacuum that can be attained using PTFE ferrules is slightly less than using O-Rings.

Reference Guide to Ace-Thred Sizes

Size	Accepts Tube O.D., mm	Use Bushing Number	Use With O-Ring No.*	Suggested Uses
#7	6-7	89051-122	89060-958	A, B, I
#11	9-10.5	89059-214	89060-966	D, E, F, G
#15	12.5-14	89059-220	89060-984	C, H
#18	16-17	89059-222	89060-994	H, L
#25	24-25	89059-226	89061-016	K
#36	34-35	89059-228	89061-026	K, L
#50	47-48	89059-230	89061-030	K, L
#80	80	89059-234	89061-070	—

A—Thermometers

B—Bleed Tubes

C—Electrodes

D—Sensing Probes

E—Thermowells

F—Gas Dispersion Tubes

G—Vacuum Take-Offs

H—Inlet and Outlet Tubes

I—Miniature Electrodes

K—Manifolds

L—Immersion Wells

*FETFE O-Rings referenced, other materials are available.



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