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| ASHRAE Technical FAQ |
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| ID  | 46 |
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| Question  | What [research](http://www.ashrae.org/standards-research--technology/research) is ASHRAE conducting regarding new, natural, or alternative refrigerants? |
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| Answer  | New refrigerants are not typically developed through ASHRAE research. Manufacturers may submit new refrigerant formulations to SSPC 34, Designation and Safety Classification of Refrigerants, to obtain an ASHRAE number designation based on criteria in the standard. In the United States, most approved refrigerants are non-flammable blends with HFCs as the major components.Each year ASHRAE devotes the October issue of the [ASHRAE Journal](http://www.ashrae.org/resources--publications/periodicals/ashrae-journal) to that year's Research Report. The following active projects regarding air filtration are listed in the October 2023 issue:1683-RP Experimental Evaluation of Two-Phase Pressure Drop and Flow Pattern in U-Bends with Ammonia1721-RP Oil Return and Retention in Unitary Split System Gas Lines with HFC and HFO Refrigerants1797-TRP Assessment of the A/B Toxicity Classification Used in Standard 341800-RP Spray Evaporation on Enhanced Tube Bundles with Low GWP Pure Refrigerants and Refrigerant/Miscible Oil Mixture1806-RP Flammable Refrigerants Post-Ignition Simulation and Risk Assessment1879-RP Flammability Properties of LGWP Refrigerant and Oil Mixtures1884-RP The Incorporation of Odorants in Refrigerants to Improve Leak Detection (Experimental Phase)Final reports to completed ASHRAE research projects related to air filtration, and all other topics, are available (for free to ASHRAE members) at the [Research](http://www.ashrae.org/standards-research--technology/research) page of [www.ashrae.org](http://www.ashrae.org). |
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| ASHRAE Pubs  | The October issue of the [ASHRAE Journal](http://www.ashrae.org/resources--publications/periodicals/ashrae-journal) each year summarizes ASHRAE's current research efforts. |
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| Topic References  | Air filtration, research |
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|  | Cognizant ASHRAE Committees | Refer to Organization |
| 1 | [TC 3.1](http://tc0301.ashraetcs.org/) |  |
| 2 | [RAC](https://www.ashrae.org/communities/committees/standing-committees/research-administration-committee) |  |
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