

**FURON**<sup>®</sup>  
Pure Performance

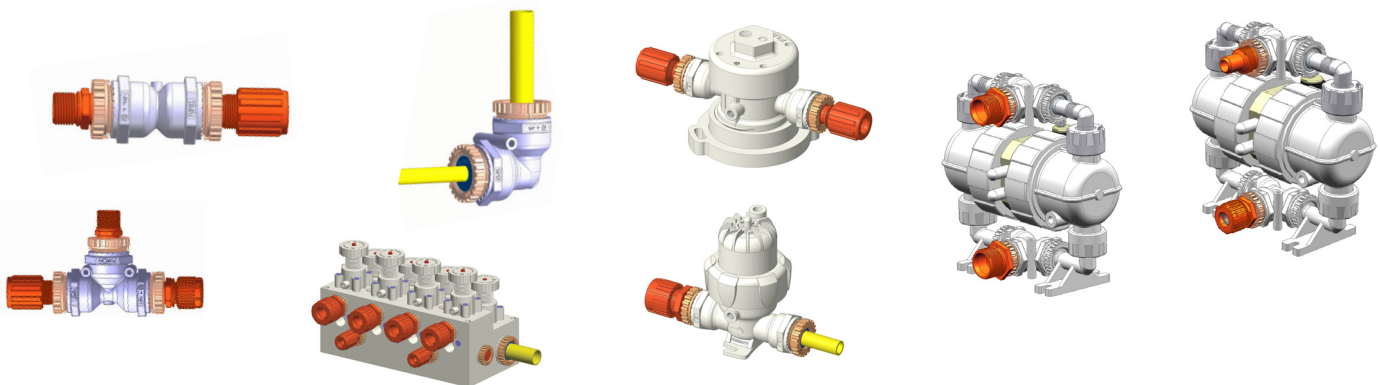
**Furon**<sup>®</sup> **UltiGuard**<sup>™</sup>

## MODULAR BUILDING BLOCK CONNECTION SOLUTION

### FEATURES AND BENEFITS

- Compact size
- Simple integration of all major connection types on the market
- Simplified assembly & installation
- Secured connection through locking system and position check
- Double sealing logic
- Multiple compatible component options
- Reduces inventory & cost
- Interchangeable connection inserts
- Passed SEMI F57 & C90 testing

The Furon UltiGuard is an innovative, all-encompassing connection solution that offers flexibility in design, configuration, and sizing for customizing fluid handling connections. It is engineered with a modular design through a building block concept.

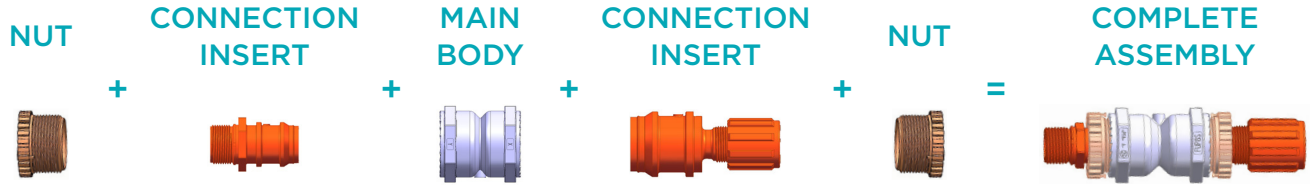


  
**SAINT-GOBAIN**

# THE ULTIGUARD BUILDING BLOCK CONCEPT

The Furon UltiGuard building block concept allows flexibility in design of assembled components, providing a multitude of combinations, giving the ability to mix and match connection inserts, sizes, and also interchange them for different connection inserts without needing to replace the whole component.

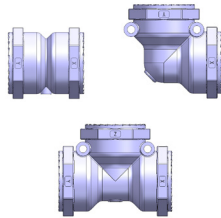
The connection concepts: a **coupling solution** which connects one component to another; the **native (built in) connection**; and **standard, legacy and 3rd party** connections. Each component connection attaches to a connection insert, which is secured with a PFA or PVDF nipple nut.



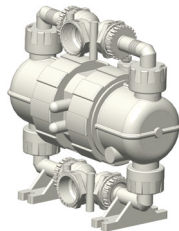
## ULTIGUARD COMPATIBLE COMPONENTS

Saint-Gobain offers various components equipped with UltiGuard-compatible end connection ports with a universal sizing system. Compatible components include, but not exclusively; fittings, valves, distribution pumps, manifolds, and pressure regulators.

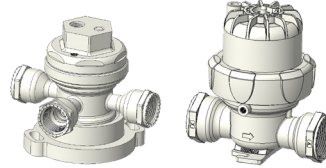
### FITTINGS



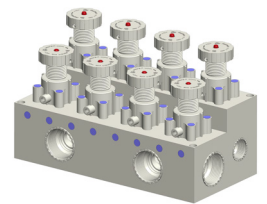
### PUMPS



### VALVES



### MANIFOLDS



## CONNECTION INSERTS

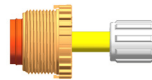
Furon UltiGuard compatible components connect to various connection inserts, categorized into Standard, Legacy, and 3rd Party connections.

### STANDARD CONNECTIONS

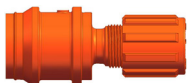
NATIVE CONNECTION (ROLLING INCH) COLLAR & ROLLING RING



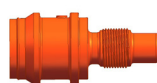
FEMALE FLAREGRIP® II WITH NUT



FLAREGRIP® II WITH NUT



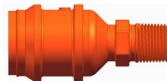
FLAREGRIP® II STAND ALONE



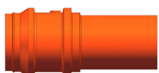
FNPT



MNPT



PIPE

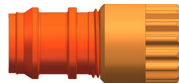


FLANGE

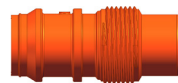


### LEGACY CONNECTIONS

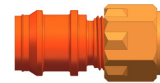
ASTI FLARE WITH NUT



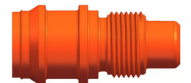
ASTI FLARE STAND ALONE



FLAREGRIP® WITH NUT



FLAREGRIP® STAND ALONE

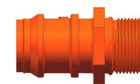


### 3RD PARTY CONNECTIONS

NEXUSCONNECT® COMPLETE CONSTRUCTION



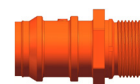
NEXUSCONNECT® STAND ALONE



NIPPON PILLAR SUPER 300® COMPLETE CONSTRUCTION

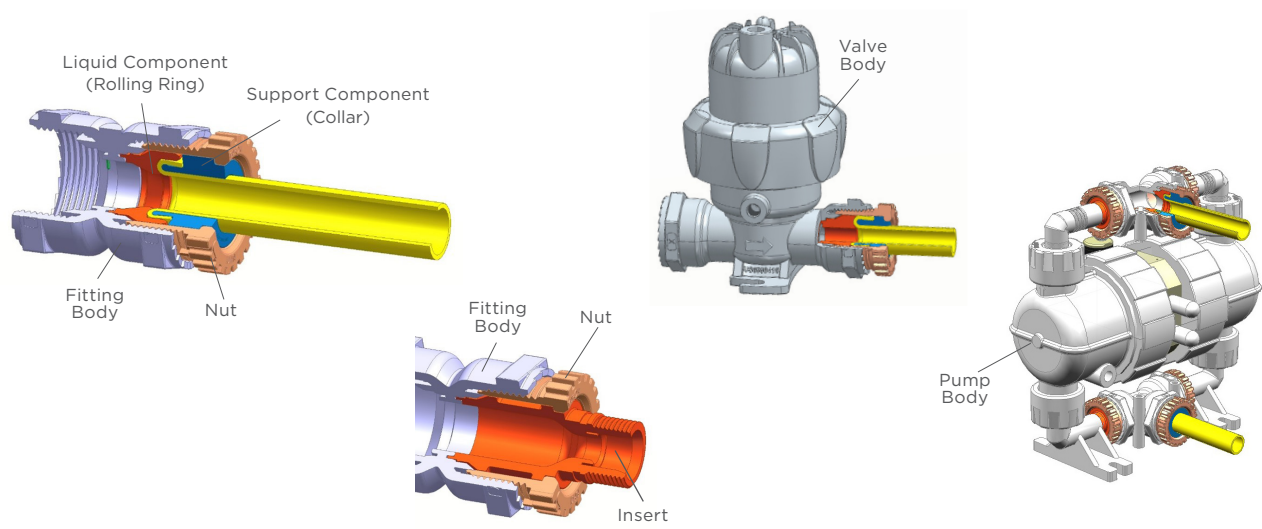


NIPPON PILLAR SUPER 300® STAND ALONE



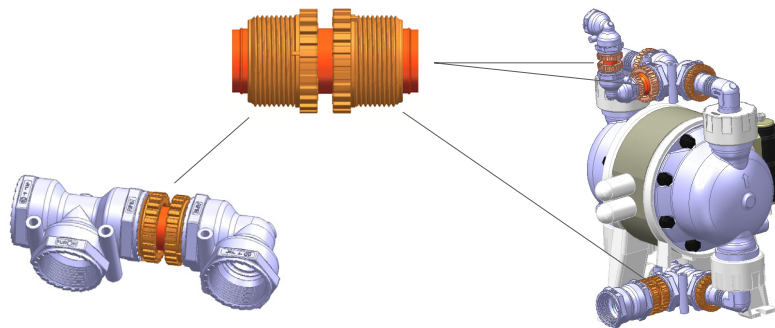
Note: The coloring in the drawings in this document are to highlight various elements of the connections and are not the actual coloring of the products.

## HOW THEY CONNECT



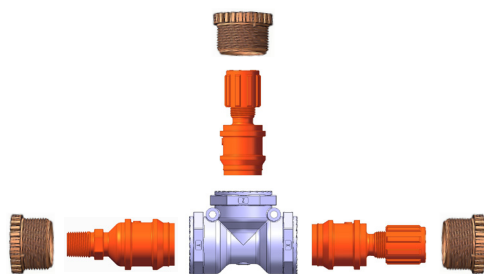
## COUPLING CONNECTION

The Furon UltiGuard coupling connection securely joins two compatible components together. The illustrations below demonstrate how the coupler can effectively join components in your system.

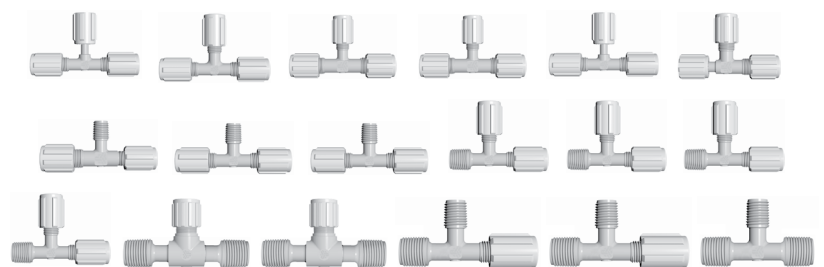


## INVENTORY REDUCTION

The Furon UltiGuard system is designed to simplify your inventory and streamline operations. With just five types of UltiGuard components, you can replace up to 18 standard components, thanks to its modular and interchangeable design. UltiGuard connection inserts can be easily swapped, giving you the flexibility to adapt configurations without stocking a large variety of individual components. The scenario below displays a tee fitting with two different flare sizes and an NPTM end connection.



VS

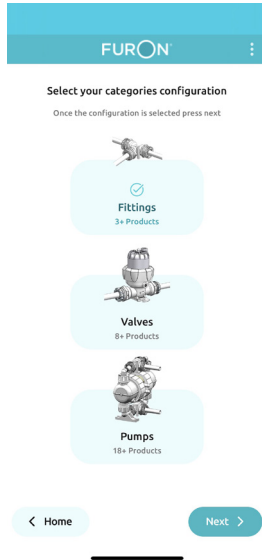


# THE ULTI GUARD BUILDER TOOL

Saint-Gobain has built a mobile app and website tool to simplify your component assembly selection.

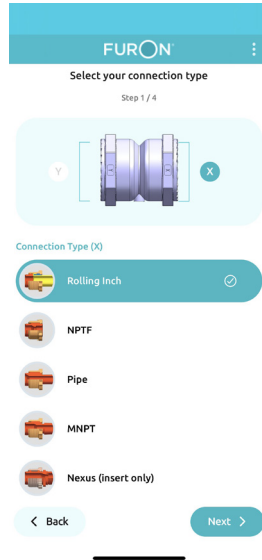
## STEP 1

Select Compatible Component Body



## STEP 2

Selection Connection Insert Types

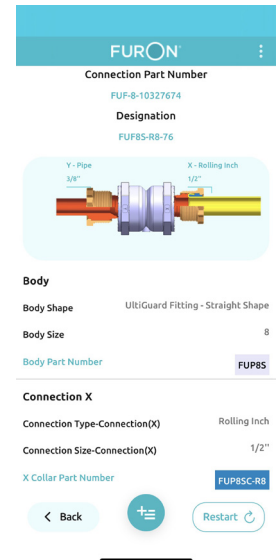


## STEP 3

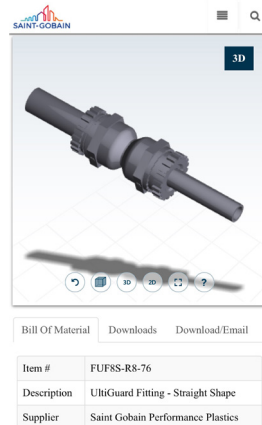
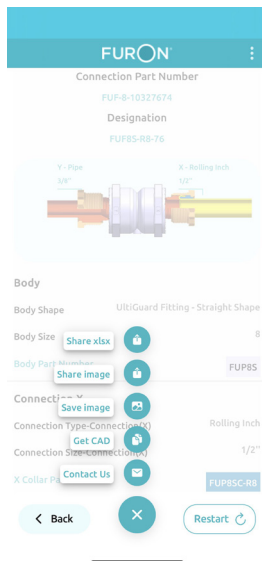
Select Connection Insert Sizes



## COMPLETE ASSEMBLY



## SHARE, SAVE, GET CAD OF YOUR ASSEMBLY OR CONTACT US



Capture the unique part number and description, download a CAD of your configuration assembly or contact us for any inquiry.

The Connection Part Number is a unique number generated for your selected assembly.

The Designation Number is a descriptive code identifying the assembly sizes and components.

### STAY TUNED!

The Furon **UltiGuard™** Builder Mobile App and website version will be available soon



Learn more about Furon **UltiGuard™** Products

