

THE SPECIALTY MFG. CO.

Custom Is Our Specialty



STANDARD VALVE PRODUCT LINE



Making Ideas REAL
Since 1900

5858 Centerville Road • St. Paul, MN 55127
651.653.0599 • Fax: 651.653.0989
Info@SpecialtyMfg.com • **SpecialtyMfg.com**

SPECIALTY VALVES

We collaborate with customers in virtually all industries where pneumatic or fluid control is needed.

Custom Is Our Specialty



Specialty Mfg. operates from three Minnesota, USA based facilities. You can tour our 375,000 sq. ft. of vertically integrated manufacturing by visiting us at: <https://custom.specialtymfg.com/Tour>



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SpecialtyMfg.com

**CHECK VALVES • BALL VALVES
NEEDLE VALVES • MINIATURE VALVES
DENTAL VALVES • CUSTOM DESIGNS**



**WE ARE
SPECIALISTS**



**WE
COLLABORATE**



**THE EXACT
VALVE YOU
NEED**



**DELIVERED
ON TIME**

“The Configurator Tool was very simple to use and made finding the part I was looking for incredibly fast and easy.”

Design Engineer, Minneapolis MN

Your Exact Valve Made Easy!

The image illustrates the user experience of the Configurator Tool. On the left, a monitor displays 'Your Valve Options' with various valve icons. In the center, a tablet shows 'Your Search Results' with a list of valve specifications and a CAD drawing. On the right, a physical brass valve with a black handle is shown on a red circular background, labeled 'Your Valve Made Real'.

You can quickly navigate the complex array of attributes to find the exact valve solution your application requires. Simply select the valve type and follow along as you are guided through valve option menus.

- Compare search results
- View CAD models and detailed product drawings
- Download and import models to your project

Design and View Your Valve in 3D Now:
Custom.SpecialtyMfg.com/Config

BRASS BALL VALVES



TWO-WAY, THREE-WAY, FOUR-WAY AND FIVE-WAY BODY STYLES

Customizable Valve End Connections

- 1/8, 1/4, 3/8, 1/2, 3/4" Male and Female NPT
- 1/8, 1/4, 5/16, 3/8" Hose Barb
- 1/4, 3/8" Compression
- 1/4, 3/8" Male and Female Flare
- 3/4" Male and Female Garden Hose

In-Line and Panel Mount Options

Seals: Buna-N, EP, Viton®, Aflas®, Simriz®, and More

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PLASTIC BALL VALVES



TWO-WAY, THREE-WAY, 90° BODY STYLES

PVC, Nylon, Polypropylene, Kynar®, ABS, Makroblend®

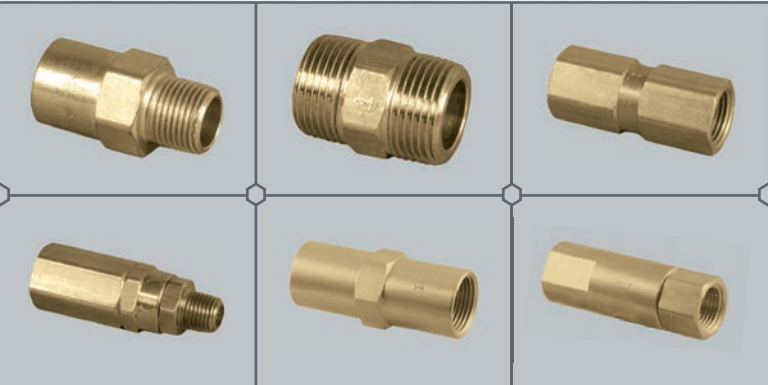
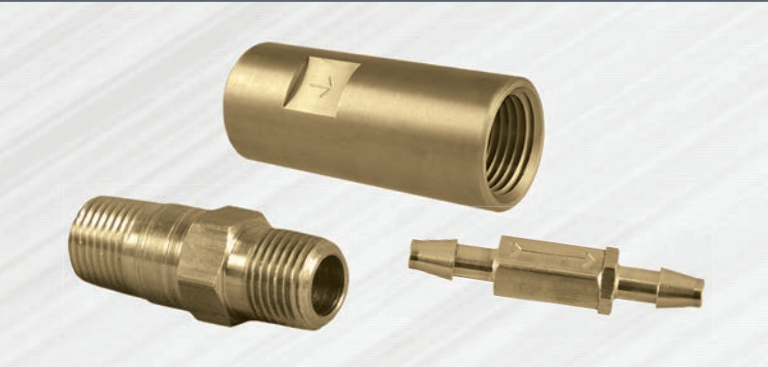
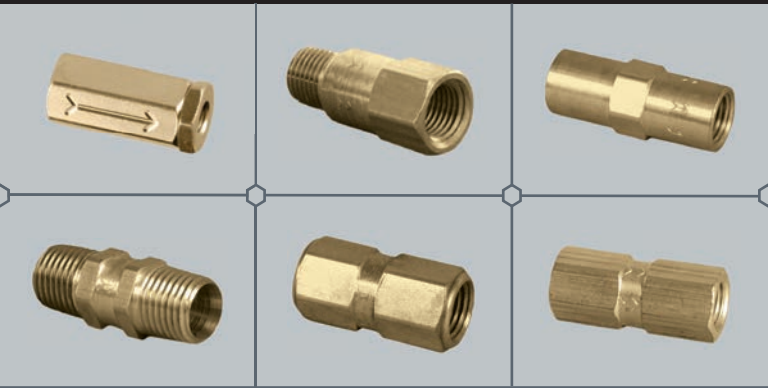
Customizable Valve End Connections:

- 1/8, 1/4, 3/8, 1/2, 3/4, 1" Male and Female NPT
- 1/8, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4" Hose Barb
- 1/8, 1/4, 3/8" JACO Compression
- 1/4, 3/8" Push-To-Connect
- 3/4" Male and Female Garden Hose

In-Line and Panel Mount Options

Seals: Buna-N, EP, Viton®, and More

BRASS CHECK VALVES



POPPET, PISTON AND BALL CHECK DESIGN

125 to 3,000 psi Maximum Operation Pressure

Available Check Valve End Connections:

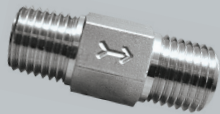
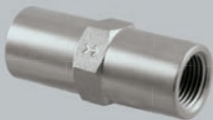
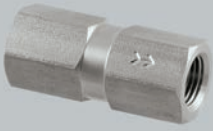
- 1/8, 1/4, 3/8, 1/2, 3/4, 1" Male and Female NPT
- 10-32 Male and Female
- 1/16 to 1/4" Hose Barb
- Cartridge-style Check Valves

Seals: Buna-N, EP, Viton®, Aflas®, Simriz®, and More

302 Stainless Spring – 1 psi Standard, 1/3, 3, 5 psi, and More

Hastelloy® Spring – 1/3, 1, 3, 5 psi, and More

STAINLESS CHECK VALVES



POPPET, PISTON AND BALL CHECK DESIGN

500 to 5,000 psi Maximum Operation Pressure

Available Check Valve End Connections:

- Cartridge-style Check Valves
- 1/8, 1/4, 3/8, 1/2, 3/4, 1" Male and Female NPT
- Cartridge-style Check Valves

Seals: Buna-N, EP, Viton®, Aflas®, Simriz®

302 Stainless Spring – 1 psi Standard, 1/3, 3, 5 psi, and More

Hastelloy® Spring – 1/3, 1, 3, 5 psi, and More

PLASTIC CHECK VALVES



POPPET, PISTON AND BALL CHECK DESIGN

PVC, Polypropylene, Nylon, Kynar®

Customizable Check Valve End Connections:

- 1/8, 1/4, 3/8, 1/2, 3/4" Male and Female NPT
- 1/8, 3/16, 1/4, 5/16, 3/8, 1/2" Hose Barb
- 1/8, 1/4, 3/8" JACO Compression
- 1/4, 3/8" Push-To-Connect

Seals: Buna-N, EP, Viton®, Aflas®, Simriz®, and More

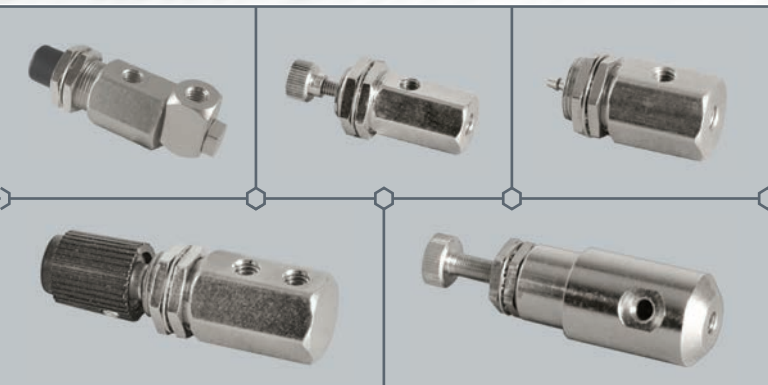
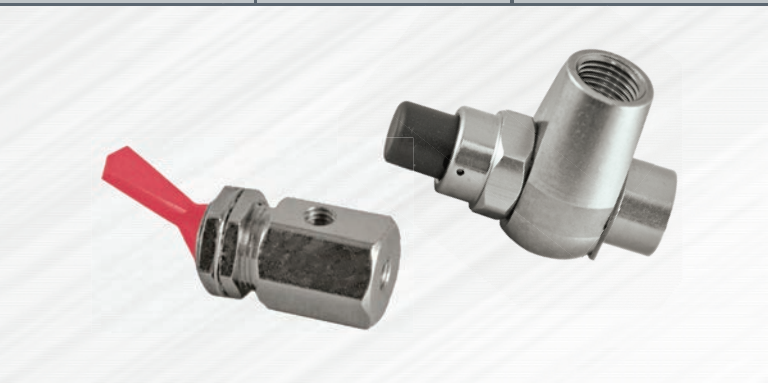
302 Stainless Spring – 1 psi Standard, 1/3, 3, 5 psi, and More

Hastelloy® Spring – 1/3, 1, 3, 5 psi, and More

Foot Valve Option

Design & View Your Valve in 3D Now: Custom.SpecialtyMfg.com/Config

MINIATURE VALVES



TWO-WAY, THREE-WAY, MULTI-PORT, ROUTING, NEEDLE, CHECK VALVES, PINCH, PILOT, REGULATORS

**Toggle, Push Button, Panel Mount,
Non-Panel Mount Designs**

Customizable Valve End Connections:

- 10–32 Male and Female
- 1/8" Male and Female NPT
- 1/16, 3/32, 1/8, 1/4" Hose Barb

Seals: Buna-N, EP, Viton®

SWIVELS



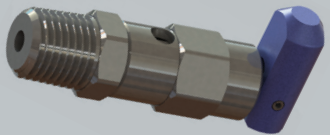
IN-LINE AND 90° DESIGN

Available Swivel End Connections:

- 10–32 Male and Female
- 1/8, 1/4, 3/8" Male and Female NPT
- 1/16, 3/32, 1/8, 1/4, 5/16" Hose Barb

Seals: Buna-N, EP, Viton®

PRESSURE CONTROL



INJECTORS, THUM-GUNS, ROLOVER, RESTRICTORS, REGULATORS, UNLOADERS

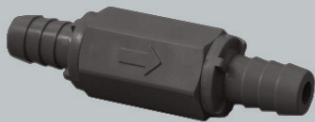
Variety of End Applications Available

Seals: Buna-N, EP, Viton®

Spring Materials and PSI Options Available

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STRAINERS & FILTERS



SUCTION STRAINER, LINE STRAINER, PVC FILTER, STAINLESS FILTER, FILTER WASHER

Strainer Cap End Options:

- 1/8, 1/4, 3/8, 1/2, 3/4 Male and Female NPT
- 1/4, 3/8, 1/2 Barb
- 1/4, 3/8 Push-To-Connect

Filter Inlet/Outlet Options:

- 1/8, 1/4 Male and Female NPT
- 1/8, 3/16, 1/4, 5/16, 3/8, 1/2 Barb
- 1/4, 3/8 Push-To-Connect
- 1/8, 1/4 JACO
- 1/4, 3/8 BIB

Seals: Buna-N, EP, Viton®

**Range of Micron Level Screen/Filters Available,
with Cage/Cuff Options**

Custom Is Our Specialty

We offer standard, customized and custom configurations for all of our products. Standard components are typically widely available and interchangeable. We specialize in customized and custom designs that your specific application requires.

CUSTOMIZED



- Standard product modified for specific application
- Building-block approach using readily available components
- Examples of customized options:
 - ▶ Seal Materials
 - ▶ Connection Points
 - ▶ Inlet/Outlet Size
- Quick turnaround and affordable

CUSTOM



- Unique product that does not yet exist
- For specific performance considerations
- Maximum precision
- Designed to replace obsolete/unavailable OEM components

SafeWay®

CUSTOM FLUID TRANSFER

A Division of The Specialty Mfg. Co.



**AGRICULTURAL • CONSTRUCTION
INDUSTRIAL • AUTOMATION**

SafeWay has been solving fluid transfer challenges with custom and ISO standard quick connect systems since 1969. Our product line includes a broad foundation of quick disconnect coupler systems plus agricultural and ISO interchange options. We specialize in heavy duty connect-under-pressure designs, extreme high-pressure designs and innovative flush-face, non-spill models.



SafeWayHyd.com

SPECIALTY INTEGRATED SERVICES

Whether you're looking for long-run production, or a prototype-style fabrication service for just a few pre-production units, our team at Specialty Integrated Services is here to guide you from the initial design to manufacturing and assembly.

With our array of **Precision Machining** equipment, we have the right machines and personnel to run your project.



A Multitude of **Metal Stamping** presses allow us to handle different material, tonnage and dies.



We use a variety of **Precision Grinding** techniques to create industrial blades and machine knives in a range of cutting-edge profiles



Our versatile **Plastic Injection Molding** team allows for short lead times and flexible, programmed delivery

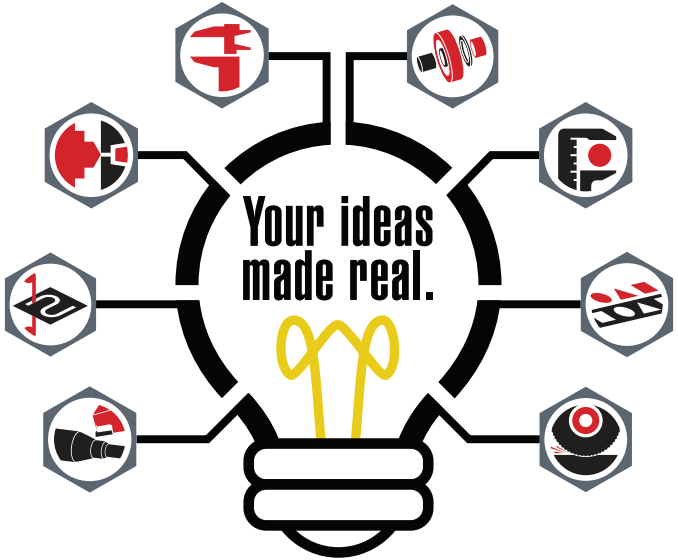


In-house **Wire EDM** capabilities allow us to provide a precise method of cutting with minimal to no tooling required



SMCcontractmfg.com

8 MANUFACTURING CAPABILITIES UNDER ONE ROOF



Engineering
Machining
Injection Molding
Stamping
Wire EDM
Grinding
Assembly
Quality Control

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