

IN-LINE SOLIDS RETENTION**TEE****Strainers**

Application-defined strainer assemblies for process lines up to 30 in.

Series scope**Engineered for project-defined process conditions.**

Globe United FZE TEE Strainers are configured from the enquiry basis. Final materials, connections, filtration details, dimensions and supply scope are defined by approved order documentation.

UP TO 30 IN.**PROJECT-DEFINED**

01 / Product overview

Straining performance, project-defined

TEE Strainers provide an in-line solids-retention location within a process line, with the final arrangement engineered around the application, mechanical interfaces, and maintenance basis.

A practical in-line selection route

TEE Strainers are selected where a compact, in-line body arrangement is required to support application-specific solids retention ahead of downstream equipment or within a defined process duty. The supplied unit is not a generic commodity arrangement: material selection, process connection, screen specification, service access, and documentation are resolved against the approved project basis.

Catalog boundary

This catalog presents a family-level selection path. It does not establish final dimensions, pressure-temperature limits, filtration performance, connection classes, or construction details for a specific order.

Representative service context

Water treatment

Plant and utility process lines.

Pipeline

Line protection for defined project duty.

Chemical injection

Skid and dosing-package service.

Gas & upstream

Process facilities subject to project review.



Illustrative product-family visual. Final arrangement is order-specific.

Source: Globe United FZE project reference records.

02 / Catalog guide

From duty to order

Move from service context to a project-defined TEE Strainer configuration through a clear enquiry basis.

What the selection basis should establish

Selection item	Purpose
Function	Confirm the protected equipment, solids-retention intent, and operating context.
Process duty	Provide medium, temperature, pressure, flow expectation, solids information, and operating constraints.
Mechanical interface	Define line size, process connection, facing, pressure class, orientation, and available installation envelope.
Filtration element	Specify required retention basis, cleanability, material suitability, and any process sensitivity.
Service basis	Clarify isolation, drain/vent requirements, access expectation, inspection, documentation, and commissioning constraints.

Product boundary

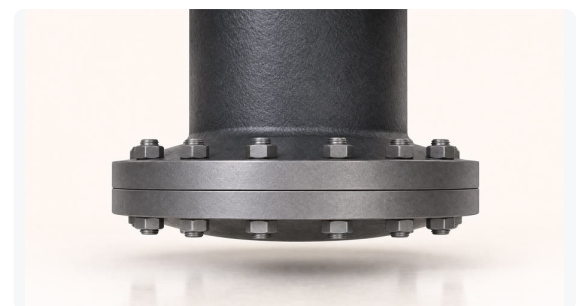
The catalog guides an enquiry. It is not an approved order data sheet and does not define final dimensions, pressure-temperature limits, materials compatibility, or construction for a specific unit.

Catalog route

- 01 Confirm the duty** — process medium, conditions and protection objective.
- 02 Set the interfaces** — line size, connection, class and orientation.
- 03 Define filtration & service** — retention basis, access and accessories.
- 04 Verify the order basis** — approved data sheet, drawings and nameplate govern supply.

PROJECT DEFINITION

Submit the duty, line interface, material expectation, service philosophy, inspection/documentation needs, and any project specifications with the enquiry. Globe United will align the final selection with the approved order basis.



Illustrative closure-detail visual. Final service-cover arrangement is project-defined.

Selection inputs to provide with an enquiry

Process

Medium, pressure, temperature, flow and solids information.

Mechanical

Size, connection, facing, class, orientation and envelope.

Filtration

Retention basis, cleanability and service expectation.

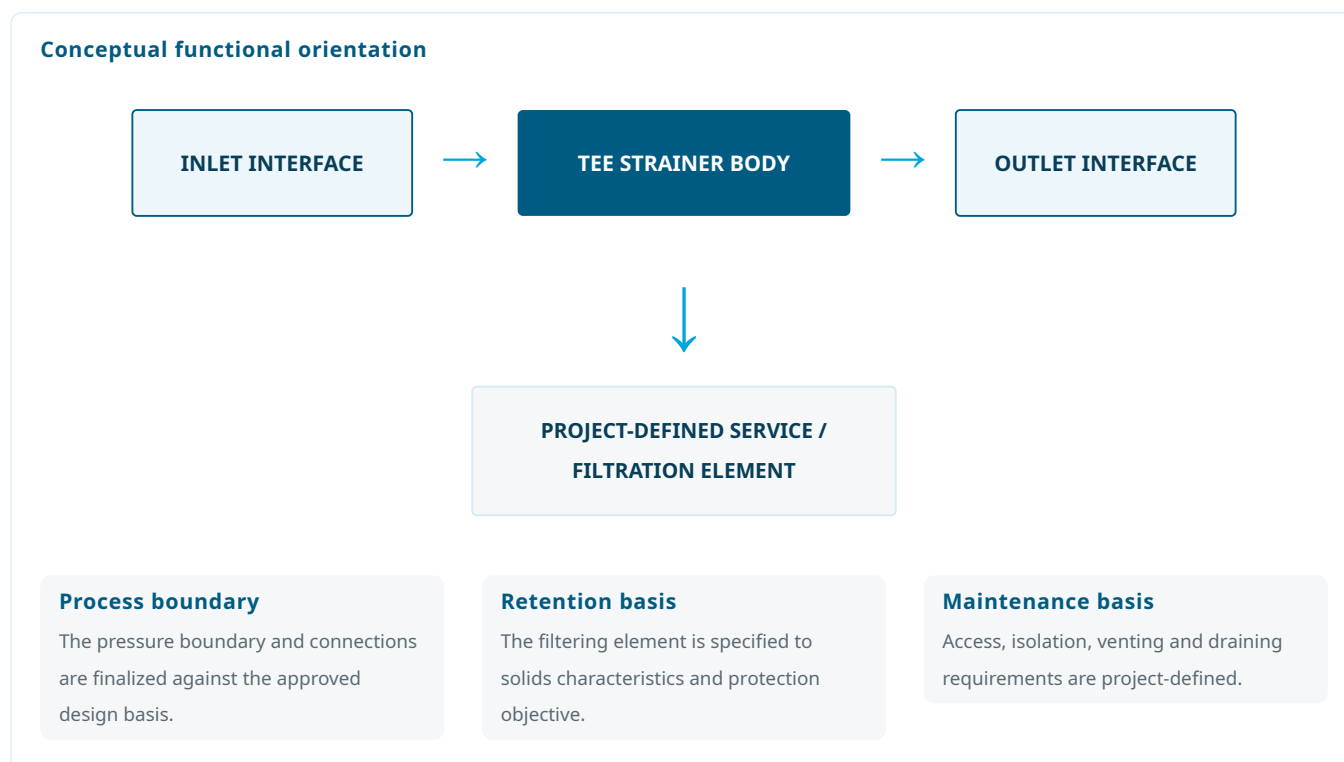
Control

Inspection, documents, accessories and project specifications.

03 / Functional arrangement

In-line protection with service-minded definition

The visual below is a non-dimensional functional orientation only. Final body geometry, closure, flow direction, connections, drain/vent positions, and screen arrangement are defined by the approved order documentation.



Visual control

This conceptual diagram is for general orientation only. It must not be used to establish the final supplied flow path, mechanical arrangement, dimensions, process interfaces, pressure rating, filtration detail, or accessory configuration.

Safe service planning

Before opening any pressure-containing component, the operating procedure should require positive isolation, controlled depressurization, safe venting and draining as applicable, and confirmation of zero pressure. The approved project documentation governs the final operating and maintenance procedure.

04 / Materials and process interfaces

Materials and interfaces matched to the duty

The broader Globe United strainer portfolio includes a defined range of materials. For TEE Strainers, final material and interface selection remains subject to the process fluid, conditions, corrosion considerations, project requirements, and approved order documentation.

Material selection path

Material group	Family-level material examples
Stainless steel	SS316; CF8M / CF3M configurations.
Duplex steel	ASTM A182 F51 duplex stainless steel.
Carbon steel	ASTM A106 Grade B configurations.
Advanced alloys	Titanium and super-duplex selections.
Nickel alloy	Incoloy 825 (UNS N08825).

Material control

The materials above are supplied strainer-family examples and are not a blanket compatibility or availability statement for every TEE Strainer size or duty. Final selection is subject to application review.

Process-interface inputs

Field	Define with enquiry
Nominal size	Required line size; series scope up to 30 in.
Connection	Connection form, facing, standard or project requirement.
Pressure class	Project-defined class and design basis.
Orientation	Installed position, flow direction, drainage and access constraints.
Envelope	Available line space, support philosophy and service clearance.

PROJECT-DOCUMENT CONTROL

Final material, connection, rating, filtration, dimensions and accessory details are governed by the approved order data sheet, approved drawings, and nameplate.



Illustrative visual

Material finish, body form and closure geometry shown are visual orientation only. Final supplied materials, interfaces, dimensions and construction are set by the approved order basis.

Source: Globe United FZE project reference records. Material use shown is application-specific.

05 / Configuration and supply scope

Define the unit around your process basis

Series TS provides a controlled enquiry framework for TEE Strainers up to 30 in. The final selected configuration is finalized only after review of the approved project inputs.

Configuration framework

Field	Selection topic	Information required for review
TS-01	Nominal line size	Required line size. Series scope: up to 30 in.
TS-02	Process duty	Medium, operating conditions, flow expectation, solids characteristics, and protection objective.
TS-03	Body / material basis	Material expectation and corrosion / temperature considerations; final material subject to application review.
TS-04	Connections	Connection type, facing, class, orientation, and project specification.
TS-05	Filtration element	Retention requirement, cleanability, element material and duty-specific constraints.
TS-06	Service provisions	Access, isolation philosophy, vent/drain needs, support, lifting and maintenance constraints.
TS-07	Accessories / documents	Requested accessories, inspection scope, certificates, drawings, tests, and documentation.

Supply-scope prompts

Confirm with the enquiry

- Required interface and orientation
- Material and corrosion basis
- Duty-specific filtration requirement
- Access and maintenance basis
- Inspection, test, and documentation needs

Model-code principle

A controlled project code

Use the selection fields as an enquiry sequence rather than a pre-approved fixed code. The final model designation, order drawing, and nameplate are assigned against the approved project configuration.

Selection safeguard

Do not select final materials, connections, pressure class, retention requirements, or construction details from this catalog alone. Verify the final configuration against the approved order data sheet and project documentation.

06 / Documented field experience

A documented T Strainer reference in service

Globe United FZE project reference records document experience across Basket, Y, T and Conical strainer product families in multiple project environments.

REPRESENTATIVE DOCUMENTED T STRAINER REFERENCE

CONFIGURATION

T Strainer

12 in. · Class 150

SUPPLY

2023

Qty. 8

Portfolio framing

Globe United FZE project reference records document a strainer portfolio covering Basket, Y, T and Conical strainers. The documented activity from 2020 to 2025 spans water treatment, pipeline, chemical injection, gas-processing and upstream service contexts.

Reference control

This entry presents documented supply context only. It is not a standard configuration, general rating statement, material specification, or dimensional definition for future TEE Strainer orders.

Illustrative product visual

The product image supports general family orientation only. It is not a representation of the recorded project configuration or a final approved construction.

Material experience

Stainless

SS316 and CF8M / CF3M examples in the wider strainer portfolio.

Duplex

ASTM A182 F51 duplex example in the wider portfolio.

Carbon steel

ASTM A106 Grade B configuration example in the wider portfolio.

Advanced alloys

Titanium, super duplex and Incoloy 825 (UNS N08825) examples in the wider portfolio.

Source: Globe United FZE project reference records.



07 / Project definition and support

Define the order basis with confidence

A reliable quotation and supply basis starts with a clear duty definition. Share the items below with Globe United FZE so the proposed TEE Strainer can be aligned with the approved project requirements.

Request-for-quotation checklist

	Please provide
01	Service medium, operating pressure and temperature, flow information, solids characteristics, and required protection objective.
02	Nominal line size, preferred process connection, pressure class, orientation, and available installation envelope.
03	Material expectations, corrosion considerations, process compatibility requirements, and project specifications.
04	Filtration / retention basis, cleanability, access expectations, isolation philosophy, and drain/vent needs where applicable.
05	Inspection, testing, certificates, documentation, shipping, preservation, and other project requirements.

ORDER-DOCUMENT PRECEDENCE

Final supplied configuration, materials, dimensions, limits, process connections, filtration details, accessories, inspection scope, and documentation are governed exclusively by the approved order data sheet, approved drawings, and nameplate.

Catalog-use notice

This catalog is intended for product-family orientation and enquiry development. It does not replace approved project documentation, statutory requirements, or safe operating procedures.

Contact Globe United FZE

Selection support and project review

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Document control and revision history

Revision	Issue date	Change description	P / C / A
Rev. 00	August 2026	Initial catalog issue.	—
Rev. 01	August 2026	Illustrative product imagery revised; flat blind closure direction introduced.	—
Rev. 02	August 2026	Page 3 and page 5 visual panels replaced and reframed.	—
Rev. 03	August 2026	Page-specific image legibility and panel proportions refined.	—
Rev. 04	August 2026	Audit corrections: reference display, source-control wording, footer cleanup and revision record.	RN / AK / UM
Rev. 05	August 2026	Alloy 825 nomenclature corrected; pages 2 and 7 product views differentiated.	RN / AK / UM
Rev. 06	August 2026	Client and project identifiers removed; documented reference anonymized.	RN / AK / UM
Rev. 07	August 2026	Page 7 reference visual and banner wording refined; secondary banner type normalized.	RN / AK / UM

P / C / A: Prepared / Checked / Approved. Final supplied configuration remains governed by approved order documentation and nameplate.