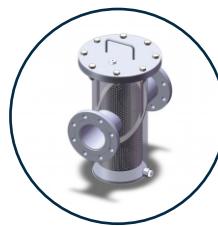


TGF Series Pipeline Filter

Pipeline Guardian · Direct Interception · Plug-and-Protect

The TGF series is a T-type in-line pipeline filter designed for industrial piping systems up to DN600. It directly removes solid particles and mechanical impurities from conveyed media, with a maximum working pressure of 16 bar, temperature resistance from -30°C to 200°C, and adjustable filtration accuracy of 50-1000 µm. Its simple, reusable basket design enables efficient interception while minimizing pressure drop, providing direct online protection for pumps, valves, instruments, and heat exchangers.



Core Challenges Addressed

- Wear, clogging, and seal failure in downstream equipment caused by solid particles
- High pressure loss and complex installation of traditional bypass filters
- Cumbersome maintenance requiring pipeline disassembly
- Limited suitability for high-temperature, high-pressure, or corrosive media

Typical Applications

- Petrochemical and oil transportation: Pre-pump protection for crude oil, diesel, gasoline, lubricating oil, and heat transfer oil pipelines
- Industrial circulating water systems: Pre-filtration for cooling water, process water, and boiler feedwater
- Municipal and reuse water systems: Mechanical impurity interception in reclaimed water networks
- Chemical process pipelines: Terminal protection for solvent transfer and product filling
- Energy and thermal systems: Solid particle filtration for steam tracing and heat medium pipelines

Core Advantages

- Straight-through low-pressure loss design, reducing pressure drop by 50-70% compared to Y-type filters
- Quick-maintenance basket that can be pulled out without disconnecting the pipeline
- Wide temperature and pressure adaptability with optional carbon steel or stainless steel construction
- Compatible with oils, chemicals, industrial water, and other media
- Zero-discharge reliable interception with no secondary waste liquid

Installation and Operational Value

With standardized interfaces and a compact design, the TGF series integrates directly into existing pipelines without additional power or complex controls. Its low-pressure loss maintains system efficiency, while easy maintenance reduces daily inspection and upkeep costs, offering economical and long-lasting protection as the "first line of defense" for pipeline systems.


TGF Series
CUSTOM DESIGN AND MANUFACTURING AVAILABLE

Model of Filter	Housing size	Inlet/Outlet	Drain Pipe Diameter	Filtration Accuracy μ m	Pression de Service bar
80G	Ø159	DN80	DN20	50-1000	16
100G	Ø219	DN100	DN20	50-1000	16
125G	Ø219	DN125	DN20	50-1000	16
150G	Ø273	DN150	DN25	50-1000	16
200G	Ø325	DN200	DN25	50-1000	16
250G	Ø377	DN250	DN25	50-1000	16
300G	Ø426	DN300	DN25	50-1000	16
350G	Ø478	DN350	DN25	50-1000	16
400G	Ø530	DN400	DN25	50-1000	16
450G	Ø630	DN450	DN25	50-1000	16
500G	Ø720	DN500	DN50	50-1000	16
600G	Ø820	DN600	DN50	50-1000	16