

YGF Series Pipeline Filter

Reliable Pipeline Guardian · Fine Interception · Ready-to-Protect

The YGF series is a classic Y-type pipeline filter with a 30-mesh standard screen. It can be directly installed in DN15-DN600 industrial pipelines, effectively intercepting solid particles and mechanical impurities $\geq 50\mu\text{m}$. Operating pressure: 16-50 bar; temperature range: -30°C to 200°C ; adjustable precision: $50\text{-}1000\mu\text{m}$. Its Y-type flow path ensures high interception efficiency with low flow resistance, maintaining original pipeline capacity while providing stable online protection for pumps, valves, heat exchangers, and instruments.



Core Challenges Addressed

- Equipment wear, clogging, and efficiency loss due to solid particles
- High flow resistance and difficult cleaning in traditional filters
- Complex maintenance requiring special tools or pipe disassembly
- Poor adaptability to high-pressure, high-temperature, or corrosive media

Typical Applications

- Petrochemical & energy: Pre-pump protection for crude oil, refined oil, lubricants, heat transfer oils
- Industrial water systems: Pre-filtration for cooling water, process water, boiler feedwater
- Municipal & building networks: Impurity removal in water supply, reclaimed water, HVAC systems
- Chemical process pipelines: Filtration for solvents, raw materials, intermediate products
- Mechanical equipment: Contaminant control for compressor intakes, hydraulic systems, lubrication lines

Core Advantages

- Optimized low-pressure loss design reduces pressure drop by $\approx 40\%$
- Quick-open flange or threaded cover for easy screen access and cleaning
- Material options include carbon steel, stainless steel, alloy steel, etc.
- Reusable stainless steel screen eliminates consumable waste

Lifecycle Value

With proven Y-type design and reliable construction, the YGF series offers stability and adaptability in harsh conditions. Its low-pressure loss maintains system efficiency, while easy maintenance reduces operational costs, providing an economical and maintenance-friendly filtration solution for industrial pipeline protection.



YGF Series

CUSTOM DESIGN AND MANUFACTURING AVAILABLE

Model of Filter	Housing size	Inlet/Outlet	Filtration Area cm ²	Filtration Accuracy μm	Working Pressure bar
Y25	32	Dn25	0.36	50-1000	16
Y32	38	Dn32	0.46	50-1000	16
Y40	48	Dn40	0.68	50-1000	16
Y50	57	Dn50	0.97	50-1000	16
Y65	76	Dn65	1.83	50-1000	16
Y80	89	Dn80	2.9	50-1000	16
Y100	108	Dn100	4.28	50-1000	16
Y125	133	Dn125	6.28	50-1000	16
Y150	159	Dn150	8.47	50-1000	16
Y200	219	Dn200	14.63	50-1000	16
Y250	273	Dn250	23.18	50-1000	16