

SJ-Series Hygienic In-line Magnetic Filter

The Saniquip in-line magnetic filters are of hygienic stainless steel construction with food grade, FDA compliant seals and butt weld connections for tube (other connection options available on request). They are designed to remove particulates and micro-particulates containing iron or steel from liquid or semi-liquid line flow systems. A powerful magnetic core encapsulated in a stainless steel casing effectively separates and traps

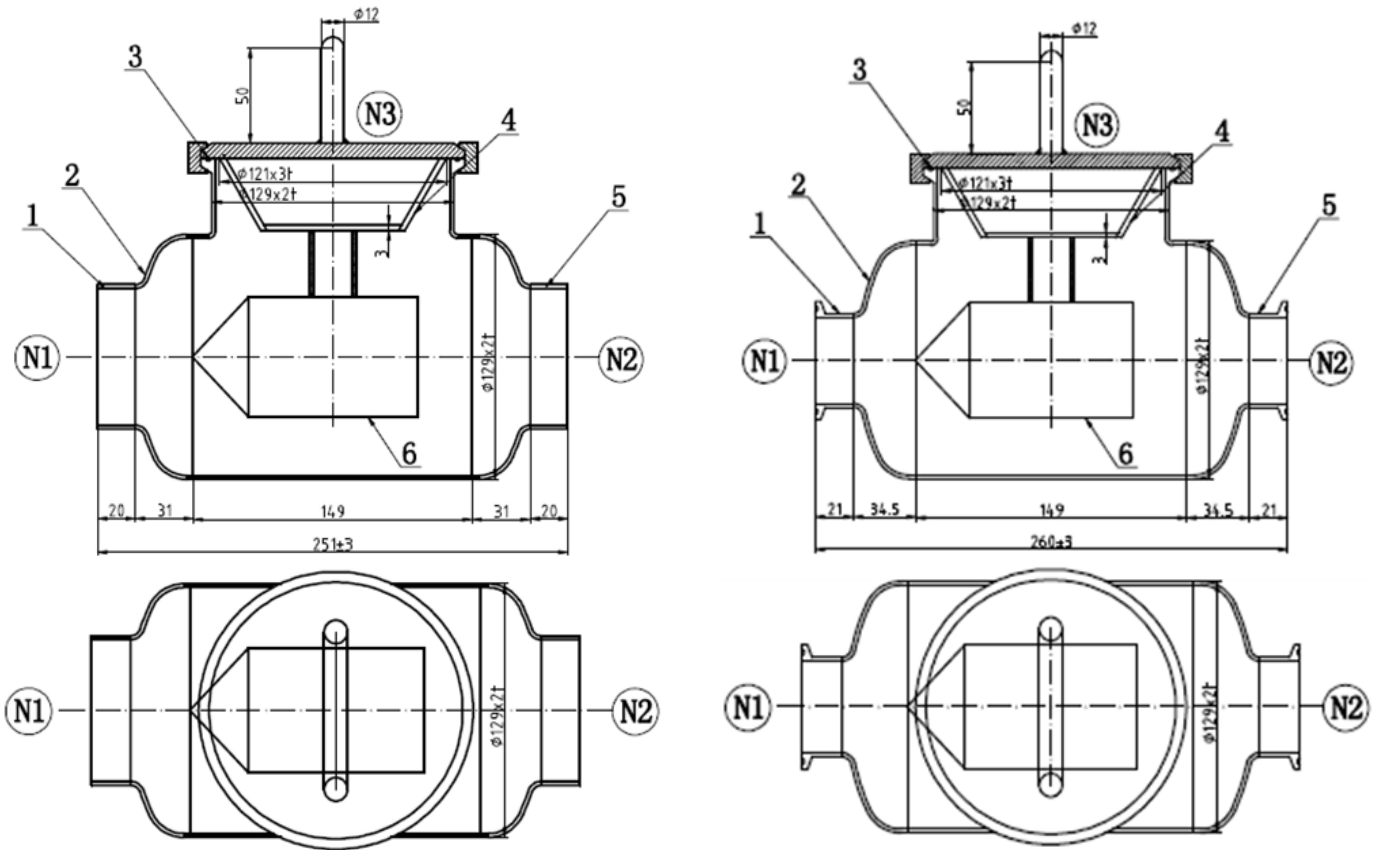
these particulates until cleared by the plant operator. A quick release clamping arrangement allows for easy extraction of the internal cartridge for removal of the trapped particulates. The housing design and the shape of the encapsulated magnet ensure minimal pressure loss. Standard production sizes are 1½", 2", 2½" and 3" but other sizes can be custom manufactured on requested.

Standard Design

- Materials: Product contact parts in AISI 316L stainless steel. Non product contact parts in AISI 316L stainless steel
- Gasket (FDA compliant) Silicone (other materials on request)
- Connections: Butt weld for tube / Tri-clamp
- Surface Finish: Polished finish $Ra \leq 0.8\mu m$ as standard (other surface finishes on request)
- Operating temperature: 90°C
- Design pressure: 8 bar / Operating pressure: 6 bar
- Magnetic strength: 8,000 Gauss



Dimensions and Parts List



PARTS LIST

ITEM	DESCRIPTION	QTY	MATERIAL	SIZE O.D.
6	Magnetic insert	1		Ø63mm
5	Outlet tube	1	AISI 316L	
4	Insert guide	1	AISI 316L	
3	5" Clamp Union	1	AISI 316L	
2	Housing	1	AISI 316L	Ø129mm
1	Inlet tube	1	AISI 316L	

NOZZLES

ITEM	DESCRIPTION	SIZE	MATERIAL	CONNECTION TYPE
N1	Inlet	1.5"/2"/2.5"/3"	AISI 316L	Butt weld / Tri-clamp
N2	Outlet	1.5"/2"/2.5"/3"	AISI 316L	Butt weld / Tri-clamp
N3	Nozzle	1.5"/2"/2.5"/3"	AISI 316L	Tri-clamp

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