



SS CL150 CAP – FEMALE THREADED

Female Threaded End Cap · Stainless Steel 316 · Class 150

SKU: SW-0165

BRAND: SW FLOW CONTROLS

SIZE 1/8" TO 4"

CL150 / SS316



FIG. 1 | SS CL150 CAP, FEMALE THREADED

PRODUCT OVERVIEW

The SWBM SS CL150 Cap seals the threaded end of a pipe or a male fitting without welding. It closes a line that has been commissioned in stages, isolates a section for maintenance, or protects an end left for future extension.

The cap is investment cast in austenitic stainless steel and supplied pickled and passivated, which suits it to potable, process, marine and washdown service.

Fitting type	End cap, female threaded
Function	Blanks off a male pipe end
Material	Stainless steel, investment cast
End connection	Female threaded, one end
Pressure class	Class 150
Size range	1/8" to 4" (DN6 to DN100)

TECHNICAL SPECIFICATION

Material	Stainless steel, 304 or 316	Internal thread	Parallel Rp, ISO 228-1
Pressure class	Class 150	Working pressure	16 bar (232 psi) nominal at ambient
Manufacture	Investment cast, machined threads	Temperature range	-40°C to +200°C nominal
Finish	Pickled and passivated	Dimensional pattern	ISO 4144 / general threaded pattern
Threads (BSPT)	ISO 7-1 / BS 21	Ends	Female threaded, one end
Threads (NPT)	ASME B1.20.1	Size range	1/8" to 4" (DN6 to DN100)



PRODUCT DATA SHEET

SS CL150 CAP – FEMALE THREADED

Ref. SW-0165 | Rev. 01

BILL OF MATERIALS

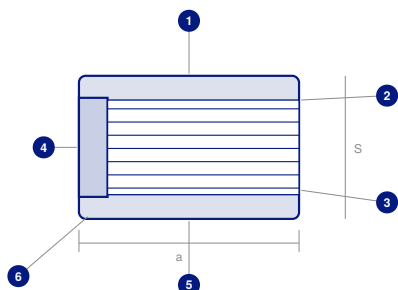


FIG. 2 | SECTIONAL ARRANGEMENT

#	FEATURE	DESCRIPTION
1	Body	Stainless steel, one piece
2	Internal thread	Parallel Rp to ISO 228-1, or NPT
3	Thread run-out	Machined relief at the thread start
4	Closed crown	Solid end wall, no waterway
5	Reinforcing band	Raised band at the mouth of the cap
6	Cast marking	Grade, size and class marked on the body

One piece fitting with no seals or moving parts. Sealing is made on the threads using PTFE tape or an approved thread sealant. The full Class 150 range is stocked in matching sizes.

DIMENSIONS AND WEIGHTS

SIZE	DN	THREAD	A (MM)	S MAX (MM)
1/8"	6	1/8"	13	15
1/4"	8	1/4"	15	18
3/8"	10	3/8"	17	22
1/2"	15	1/2"	19	26
3/4"	20	3/4"	22	32
1"	25	1"	24	39
1.1/4"	32	1.1/4"	27	48
1.1/2"	40	1.1/2"	27	54
2"	50	2"	32	66
2.1/2"	65	2.1/2"	35	84
3"	80	3"	38	96
4"	100	4"	45	123

a = overall length of the cap, S max = across flats or band diameter. Figures follow the general threaded fitting pattern and are indicative for cast stainless Class 150 fittings, which vary between makes. Confirm with SWBM before they are used for pipe cutting, spool fabrication or any dimensioned submittal. Masses are not published for this item and are therefore not stated.

ORDERING INFORMATION

FIELD	OPTIONS
Product code	SW-0165
Size	1/8", 1/4", 3/8", 1/2", 3/4", 1", 1.1/4", 1.1/2", 2", 2.1/2", 3", 4"
Thread	BSPT or NPT, as ordered
Material	Stainless steel, 304 or 316
Order example	SW-0165 / 2" / BSPT / SS316

Stock held in Dubai for fast despatch across the UAE and GCC. Contact our sales desk for pricing, availability, project quantities and certification requirements.



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PRESSURE AND TEMPERATURE

Water and general service	16 bar (232 psi) nominal at ambient
Air and gas	16 bar (232 psi) nominal at ambient
Temperature range	-40°C to +200°C nominal
Service	Non-shock, chloride bearing media acceptable

Pressure and temperature figures are nominal values typical of cast stainless Class 150 threaded fittings. Confirm the rating for the make supplied before use in a rated or certified system.

TYPICAL APPLICATIONS

- Potable and process water systems
- Food, beverage and dairy utility lines
- Marine and coastal installations
- Chemical dosing and washdown pipework
- Instrument and sampling connections
- General corrosion resistant pipework

COMPLIANCE AND QUALITY

- Material stainless steel, 304 or 316 to order
- Taper external threads to ISO 7-1 / BS 21
- NPT threads to ASME B1.20.1 available to order
- Pickled and passivated surface finish
- Air tightness tested before despatch
- Material test certificate EN 10204 3.1 on request
- Suitable for potable water and food contact service

INSTALLATION AND OPERATION

- Clean and de-burr the pipe thread before assembly
- Apply PTFE tape or an approved thread sealant to the male thread only
- Use a dedicated stainless tool set to avoid iron contamination
- Tighten on the fitting body or hexagon, never on the pipe run
- Do not over-tighten, stainless threads gall when they are forced
- Pressure test the joint before covering or insulating the line

COMPANY

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