



Compact Trapping Module (OEM market only)

Description

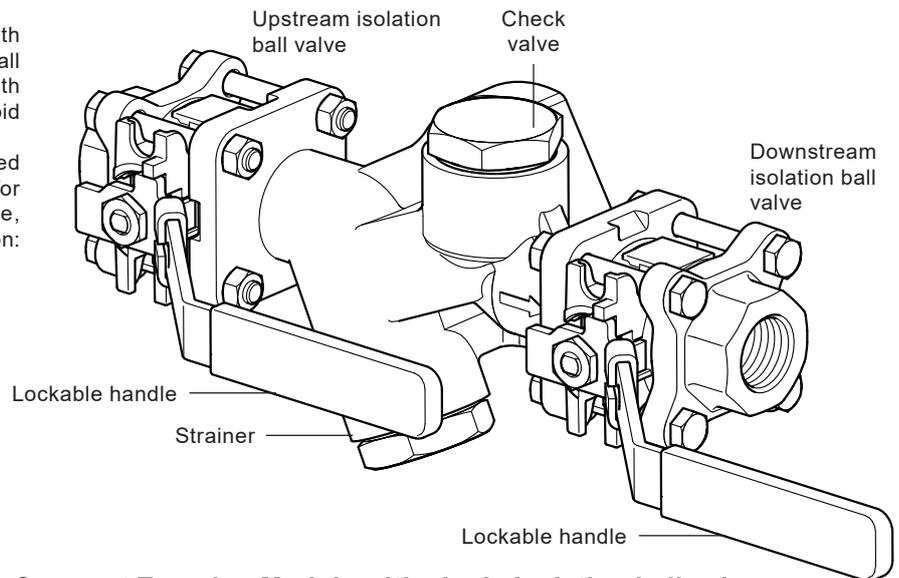
The Compact Trapping Module (CTM13) is designed to provide a convenient, ready to install trapping solution, including upstream and downstream isolation ball valves, cast connector body integrating a debris strainer, quick fit universal steam trap mounting and anti-surge check valve. Lockable handles are a product standard, minimising the possibility of accidental or unauthorised operation.

Available types

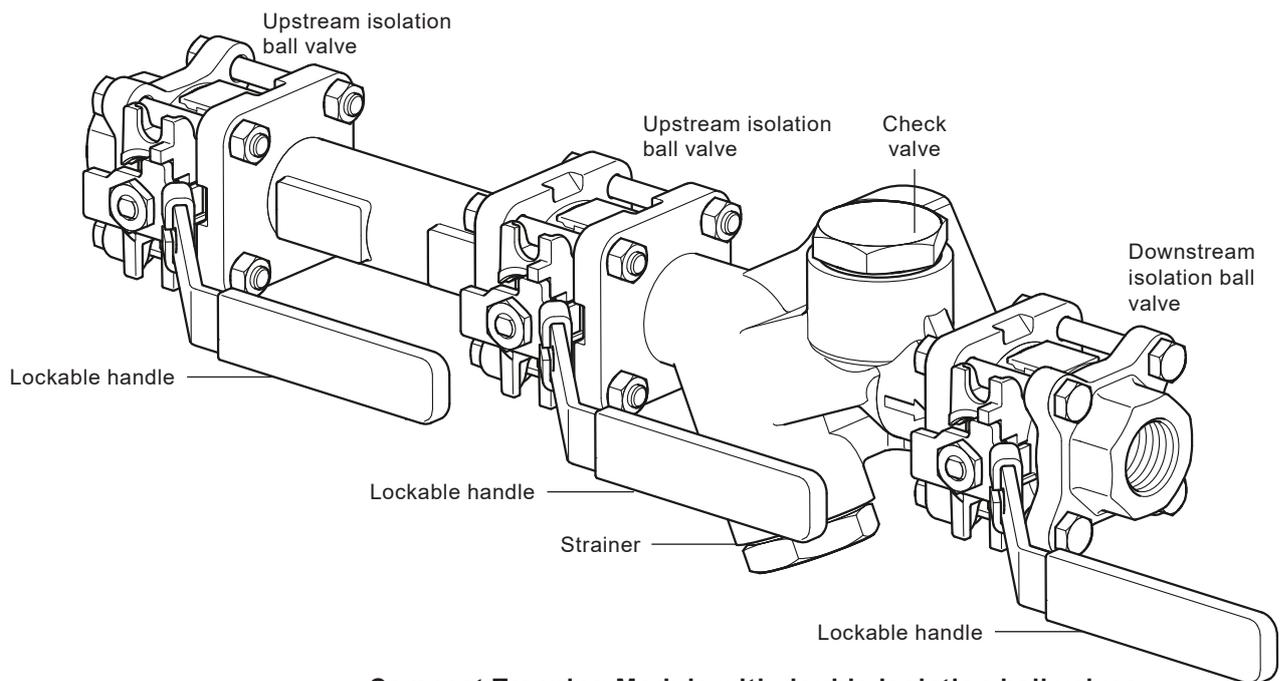
The Compact Trapping Module is available with either single or double upstream isolation ball valves offering a steam trapping solution with Spirax Sarco quickfit technology, allowing rapid steam trap maintenance.

The following Spirax Sarco universal mounted steam traps (sold separately) are suitable for use with the Compact Trapping Module, enabling it to be tailored to suit any application:

- UTD thermodynamic steam traps.
- UBP balanced pressure steam traps.
- USM bimetallic steam traps.
- UFT ball float steam traps.
- UIB inverted bucket steam traps.



Compact Trapping Module with single isolation ball valve



Compact Trapping Module with double isolation ball valves

Standards

These products fully comply with the Standard Engineering Practice requirements of the Pressure Equipment Directive (PED).

Certification

These products are available with certification to EN 10204-1 3.1.

Note: All certification/inspection requirements must be stated at the time of order placement. For other certification contact Spirax Sarco.

Sizes and pipe connections

½", ¾" and 1" screwed BSP to EN 10226-1

½", ¾" and 1" screwed NPT to ASME B1.20.1

½", ¾" and 1" socket weld to ASME B16.11.

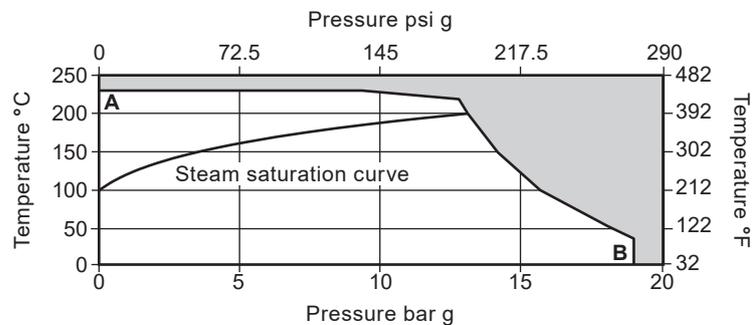
½", ¾" and 1" flange to ASME B16.5 Class 150.

DN15, DN20 and DN25 flange to EN 1092-1 PN16.

Option

Left to right flow direction as shown, is standard. Right to left flow direction is an available option (see page 5).

Pressure/temperature limit - ASME 150, screwed and socket weld

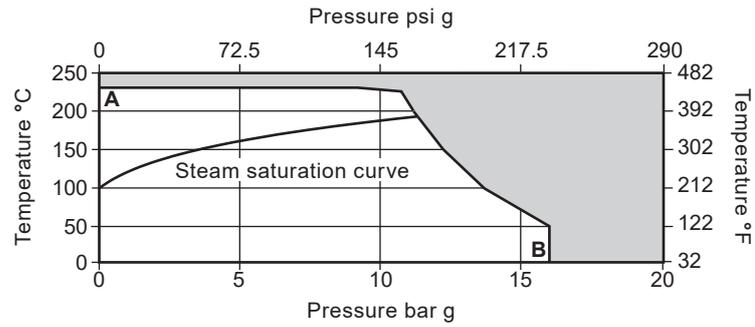


The product **must not** be used in this region.

A - B BSP, NPT, socket weld and ASME B16.5 Class 150 flange

System design conditions		ASME B16.5 Class 150	
PMA	Maximum allowable pressure	19 bar g @ 38 °C	275.5 psi g @ 100.4 °F
TMA	Maximum allowable temperature	230 °C @ 9.3 bar g	446 °F @ 134.8 psi g
Minimum allowable temperature		-10 °C	14 °F
PMO	Maximum operating pressure for saturated steam service ASME B16.5 Class 150, BSP, NPT and socket weld	13.2 bar g	191.4 psi g
TMO	Maximum operating temperature	230 °C @ 9.3 bar g	446 °F @ 134.8 psi g
Minimum operating temperature		-10 °C	14 °F
Designed for a maximum cold hydraulic test pressure of		28.5 bar g	413.3 psi g

Pressure/temperature limits - PN16



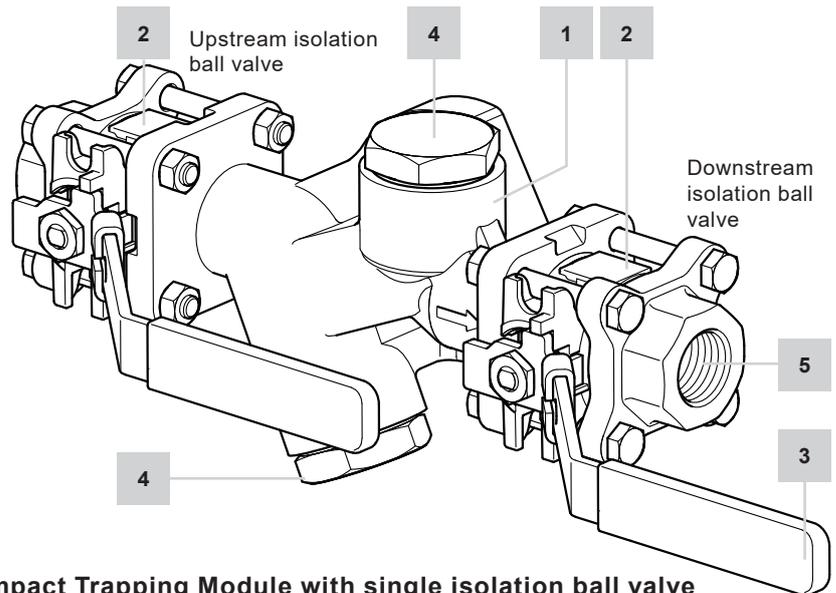
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A - B EN 1092-1 PN16 flange

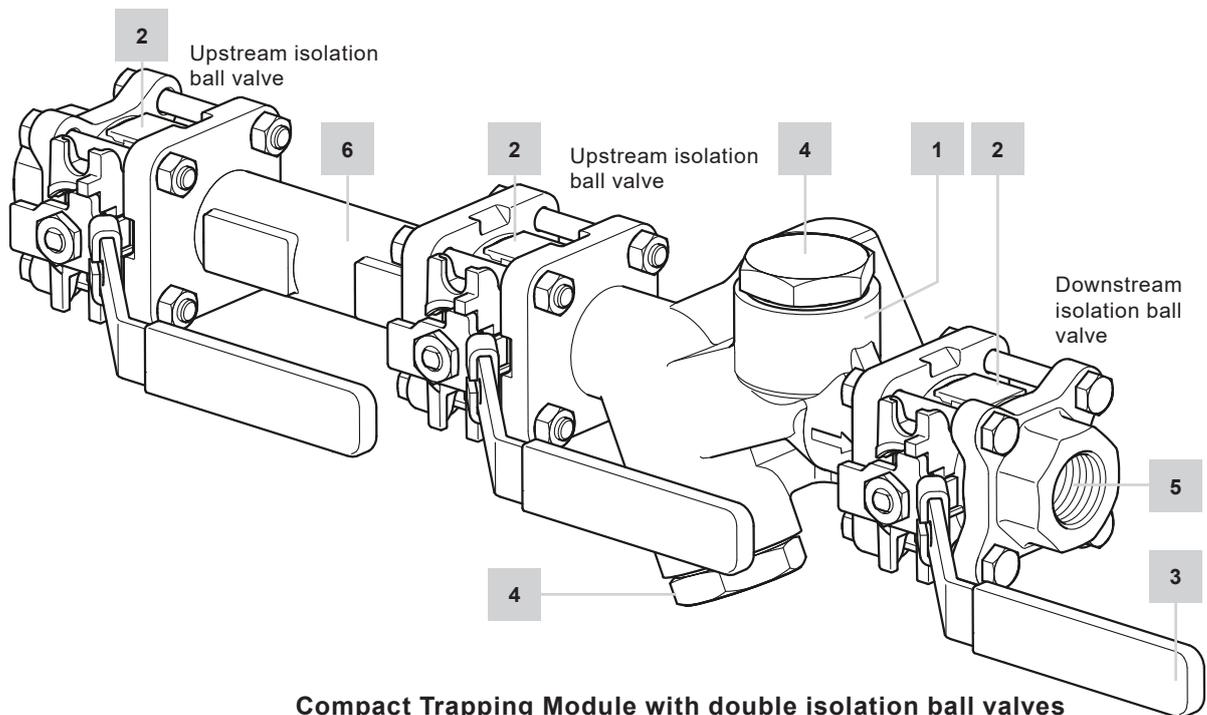
System design conditions		PN16	
PMA	Maximum allowable pressure	16 bar g @ 50 °C	232 psi g @ 122 °F
TMA	Maximum allowable temperature	230 °C @ 9.3 bar g	446 °F @ 134.8 psi g
	Minimum allowable temperature	-10 °C	14 °F
PMO	Maximum operating pressure for saturated steam service EN 1092-1 PN16	11.4 bar g	165.3 psi g
TMO	Maximum operating temperature	230 °C @ 9.3 bar g	446 °F @ 134.8 psi g
	Minimum operating temperature	-10 °C	14 °F
	Designed for a maximum cold hydraulic test pressure of	24 bar g	348 psi g

Materials

No.	Part	Material	
1	Body	Stainless steel	A351 CF8
2	Isolation ball valves	Stainless steel internals	AISI 316
		Zinc plated carbon steel body	A216 WCB
3	Handles	Zinc plated carbon steel and vinyl grip	
4	Strainer and check valve blanking plug	Stainless steel	
5	End connector	Zinc plated carbon steel	A216 WCB
6	Double isolation adaptor	Stainless steel	A351 CF8



Compact Trapping Module with single isolation ball valve

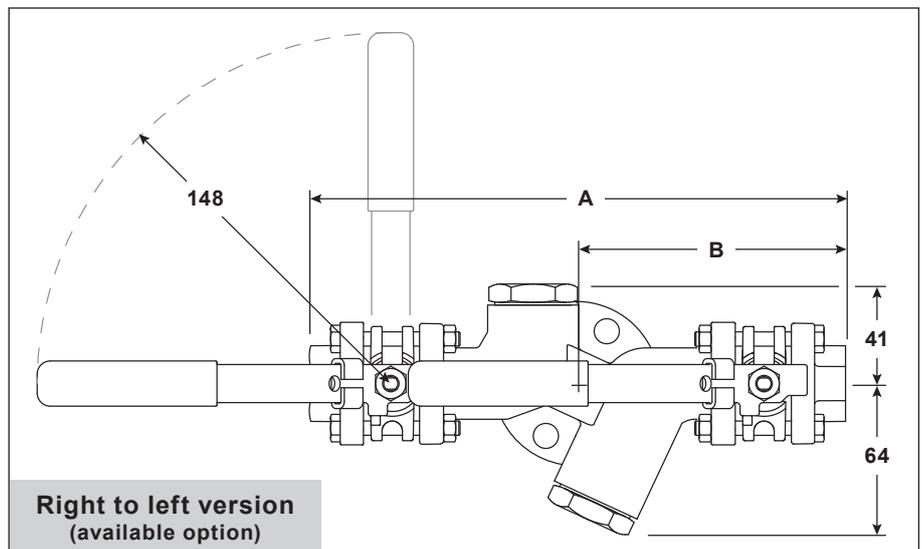
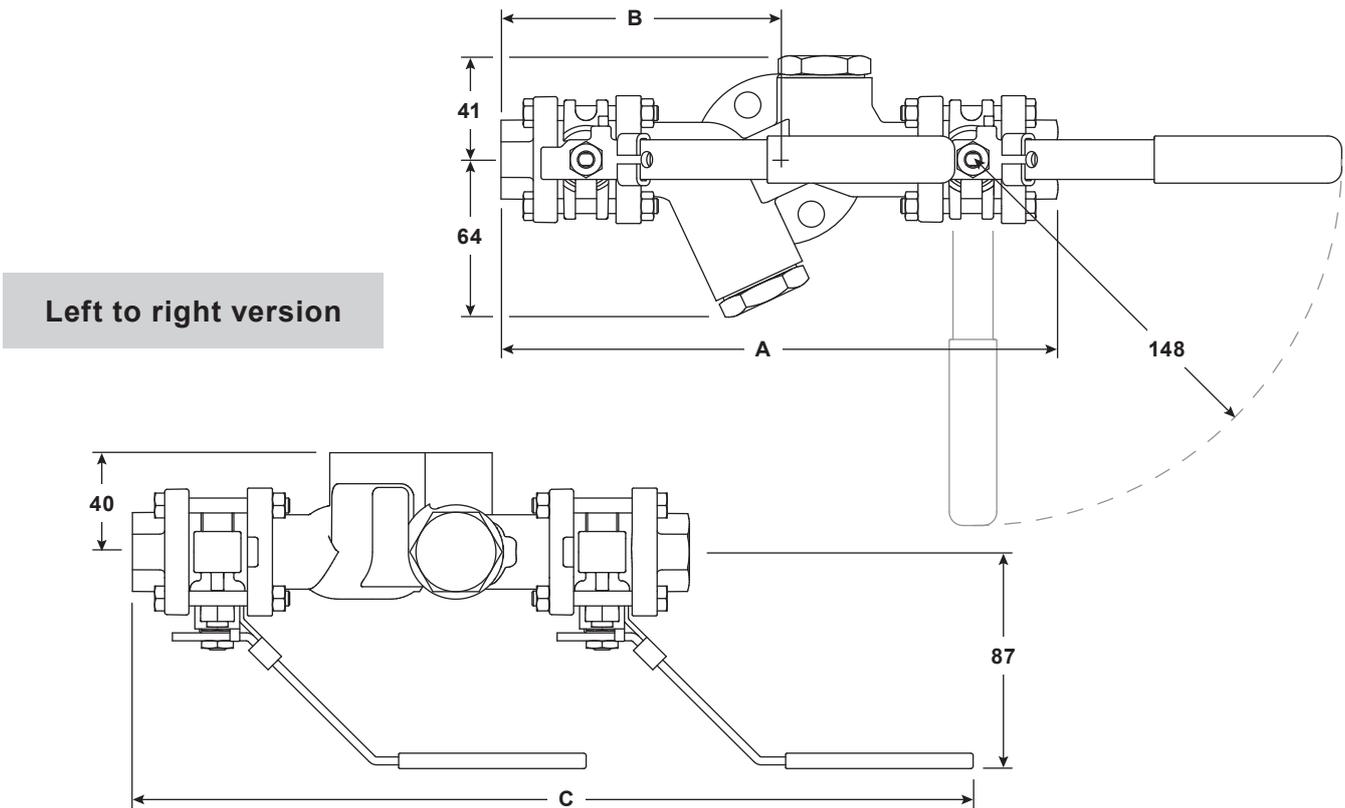


Compact Trapping Module with double isolation ball valves

Single isolation - dimensions/weights (approximate) in mm and kg

Screwed, socket weld	Dimensions			Weight
	A	B	C	kg
½" BSP, ¾" BSP	222	111	336	3.1
1" BSP	229	115	339	3.1
½" NPT, ¾" NPT	222	111	336	3.1
1" NPT	229	115	339	3.1
½" SW, ¾" SW	222	111	336	3.1
1" SW	268	134	359	3.4

Flanged	Dimensions			Weight
	A	B	C	kg
½" ASME 150	270	135	360	4.2
¾" ASME 150	270	135 <td 360	4.7	
1" ASME 150	268	134	359	5.0
DN15 PN16	284	142	367	4.8
DN20 PN16	304	152	377	5.5
DN25 PN16	302	152	376	6.0



Double isolation - dimensions/weights (approximate) in mm and kg

Screwed, socket weld	Dimensions			Weight
	A	B	C	kg
½" BSP, ¾" BSP	351	239	465	4.3
1" BSP	357	242	467	4.3
½" NPT, ¾" NPT	351	239	465	4.3
1" NPT	357	242	467	4.3
½" SW, ¾" SW	351	239	465	4.3
1" SW	396	262	487	4.6

Flanged	Dimensions			Weight
	A	B	C	kg
½" ASME 150	398	263	488	5.3
¾" ASME 150	398	263	488	5.7
1" ASME 150	396	262	488	6.1
DN15 PN16	412	270	495	6.0
DN20 PN16	432	280	506	6.6
DN25 PN16	431	279	505	7.1

