Base Load Power Hub (BLPH)

Typical Piping Assembly

Document Number: 123A90-DDL-PP-DD-70059

Document Class: 1

01	12/02/2024	Accepted for Construction (AFC)	MMA	CBO	DLO
00	21/12/2023	Issue for Approval (IFA)	MMA	CBO	DLO
Rev.	Date	Description	Prepared	Reviewed	Approved

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Revision / Change Log

Rev.	Description
00	ISSUE FOR APPROVAL (IFA)
01	ACCEPTED FOR CONSTRUCTION (AFC)

HOLDS LIST

No.	Description
1.	
2.	
3.	
4.	

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CORRESPONDENCE TABLE

PIPING CLASS	TEST DRAIN/ VENT	PROCESS DRAIN/ VENT	PRESSURE CONN.	TEMP. CONN.	PRESS. CONN. ON VESSEL	SAMPLE CONN.	SAMPLE CONN. ON VESSEL	LEVEL CONN.
01HSS	TD01	PD01	PC02	-	-	-	SCV01	LCV01
01CS	TD01	PD01	PC02	TC01	-	-	SCV02	-
01SS	TD01	PD01	PC02	-	PCV02	SC01	SCV02	LCV03
01SD	TD01	PD01	PC03	TC01	-	-	SCV02	LCV03
03HSS	-	PD01	PC01	-	PCV01	-	-	-
01CP	TD03	PD02	-	-	-	SC02	-	-

GENERAL CRITERIA FOR PREPARATION OF TYPICAL PIPING ASSEMBLY

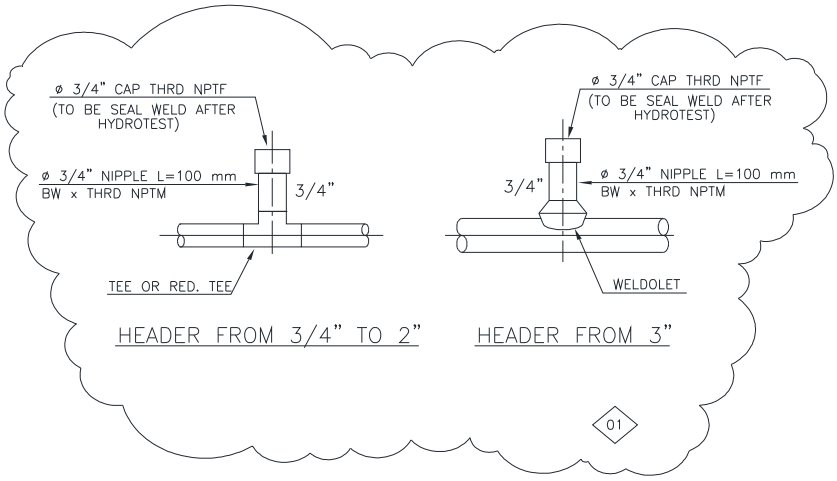
The typical piping assembly have been created in order to give the designer a range of standard documents matching the piping material classes and suitable to cover a wide range of applications assuring components uniformity.

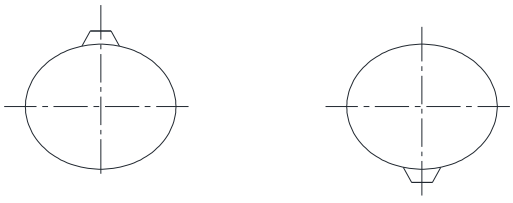
Special attention has been given in order to standardize and minimize as much as possible the components type and number.

It must be noted that the attached typical piping assembly drawings do not report the information relative to materials and all the components characteristics can be deduced from the piping material classes to which they are reffered.

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TD01 - TEST DRAINS / VENTS PIPING CLASS 01CS-01HSS-01SS-01SD-03HSS



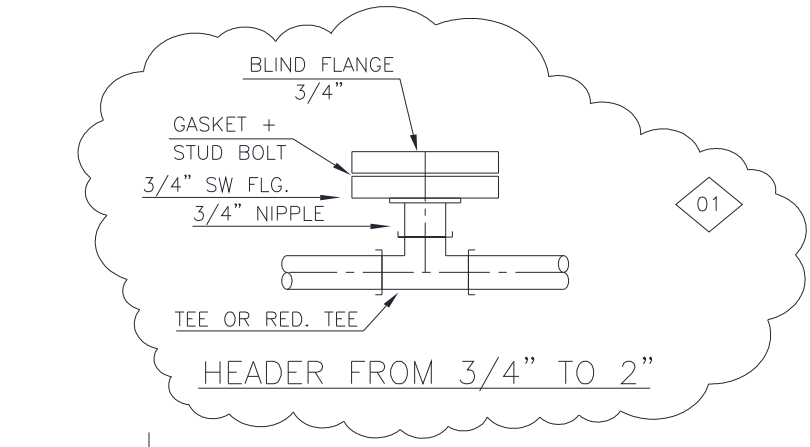


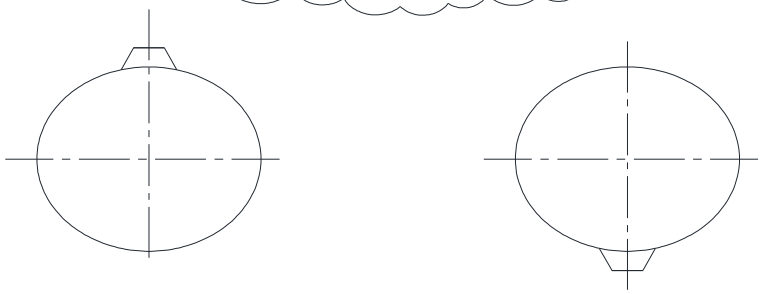
Orientation of branch connection

NOTE:
1) Rating, component, valves and material shall be in accordance with relevant Piping material classes as per doc. 123A90-DDL-PP-SP-70000.
2) Nipoflange will be used only where applicable.
3) Vents and Drains for hydrotest to be used only where required to configuration of pipework.

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TD03 - TEST DRAINS / VENTS PIPING CLASS 01CP





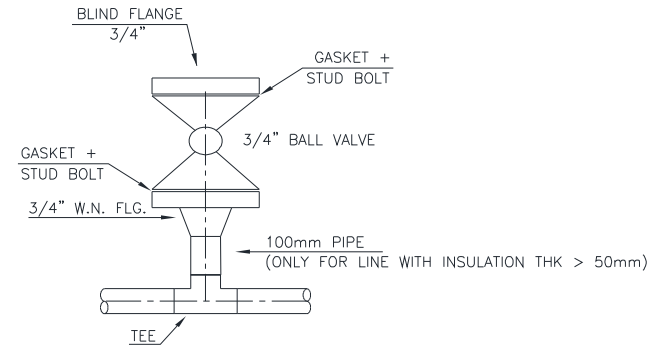
Vent (UP) Drain (DOWN)

Orientation of branch connection

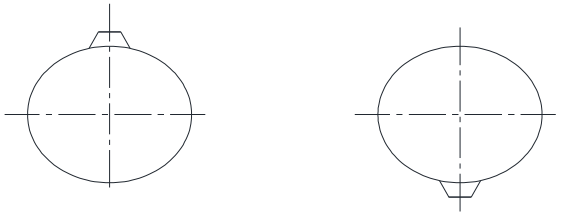
NOTE:
1) Rating, component, valves and material shall be in accordance with relevant Piping material classes as per doc. 123A90-DDL-PP-SP-70000.
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PD01 - PROCESS DRAINS / VENTS PIPING CLASS 01CS-01HSS-01SS-01SD-03HSS



HEADER FROM 3/4" TO 2"

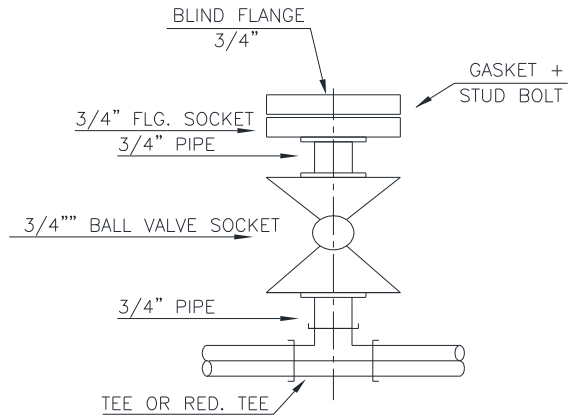


Orientation of branch connection

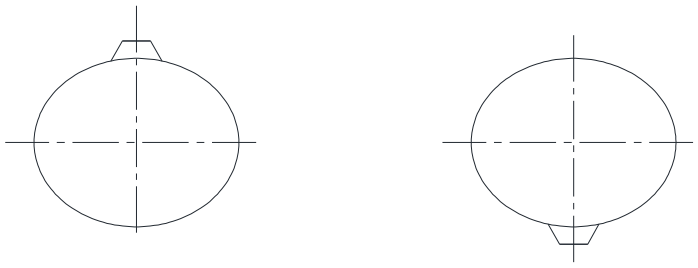
NOTE:
1) Rating, component, valves and material shall be in accordance with relevant Piping material classes as per doc. 123A90-DDL-PP-SP-70000.
2) Nipoflange will be used only where applicable.
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PD02 - PROCESS DRAINS / VENTS PIPING CLASS 01CP



HEADER FROM 3/4" TO 2"

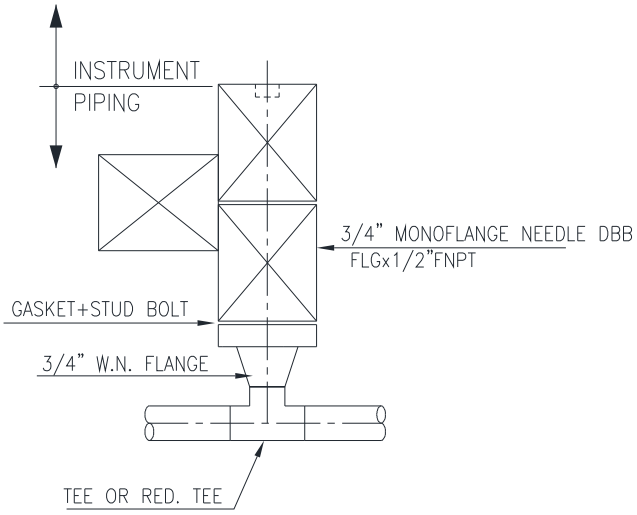


Orientation of branch connection

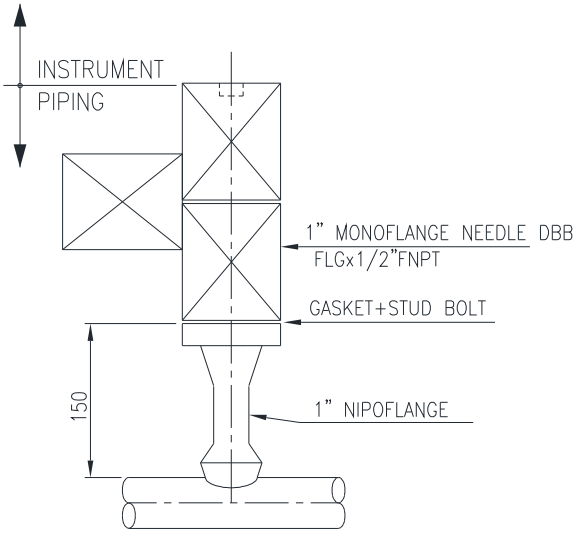
NOTE:
1) Rating, component, valves and material shall be in accordance with relevant Piping material classes as per doc. 123A90-DDL-PP-SP-70000.
2) Vents and Drains for hydrotest to be used only where required to configuration of pipework.

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PC01 - PRESSURE CONNECTION PIPING CLASS 03HSS



HEADER FROM 3/4" TO 2"

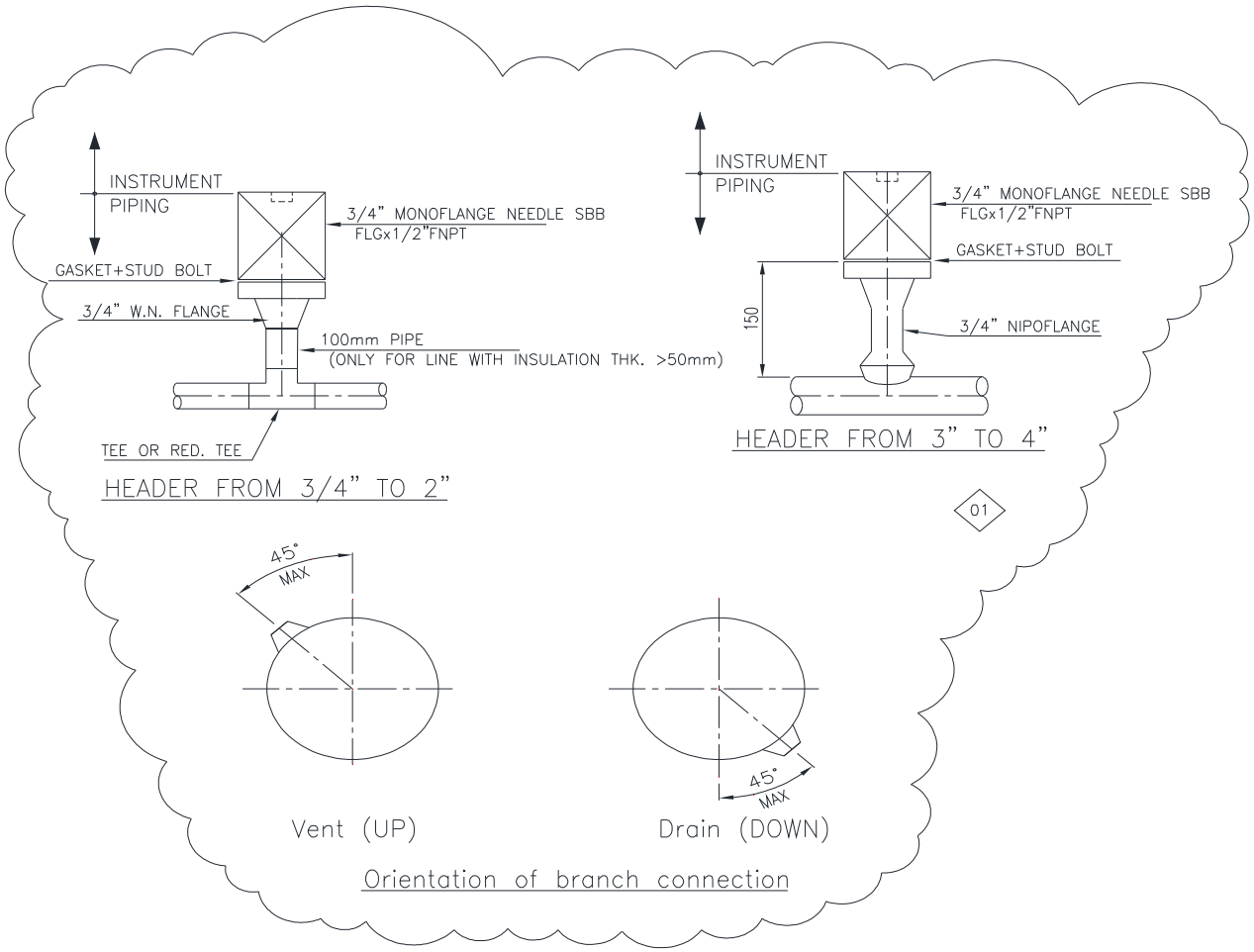


HEADER FROM 3" TO 4"

NOTE:
1) Rating, component, valves and material shall be in accordance with relevant Piping material classes as per doc. 123A90-DDL-PP-SP-70000.
2) Nipoflange will be used only where applicable.

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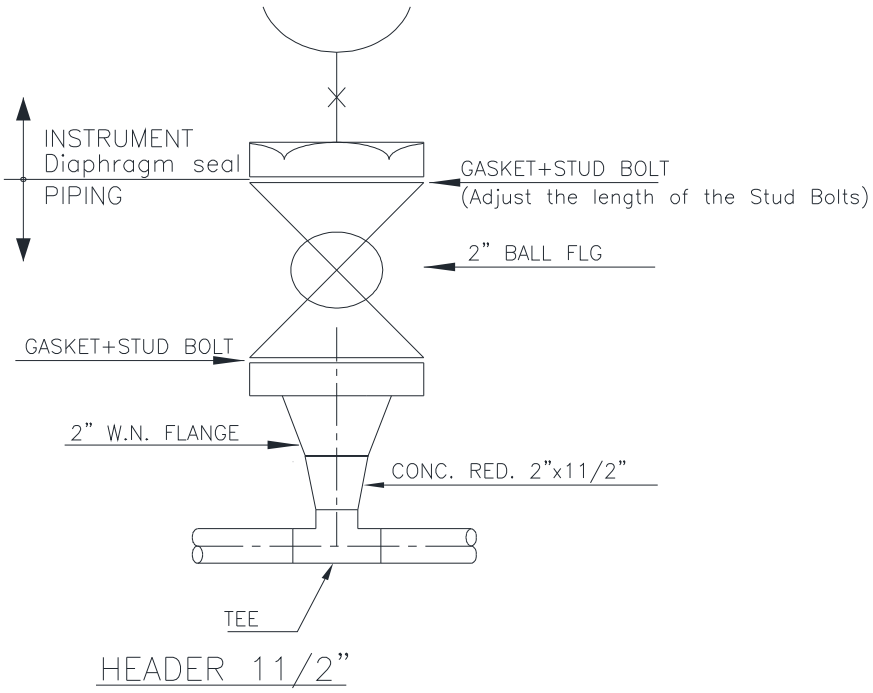
PC02 - PRESSURE CONNECTION PIPING CLASS 01CS-01SS-01SD-01HSS



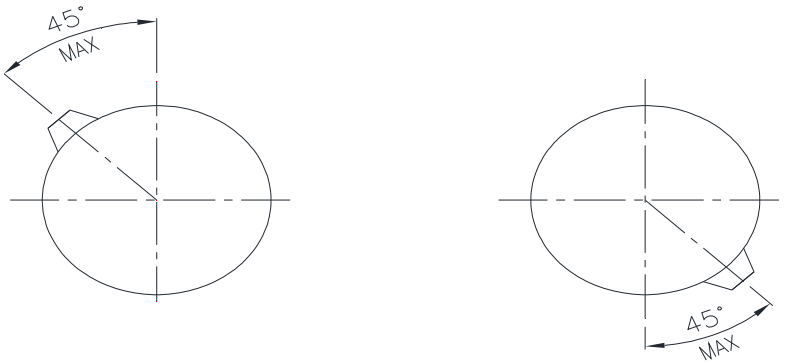
NOTE:
1) Rating, component, valves and material shall be in accordance with relevant Piping material classes as per doc. 123A90-DDL-PP-SP-70000.
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PC03 - PRESSURE CONNECTION PIPING CLASS 01SD



HEADER 11/2"



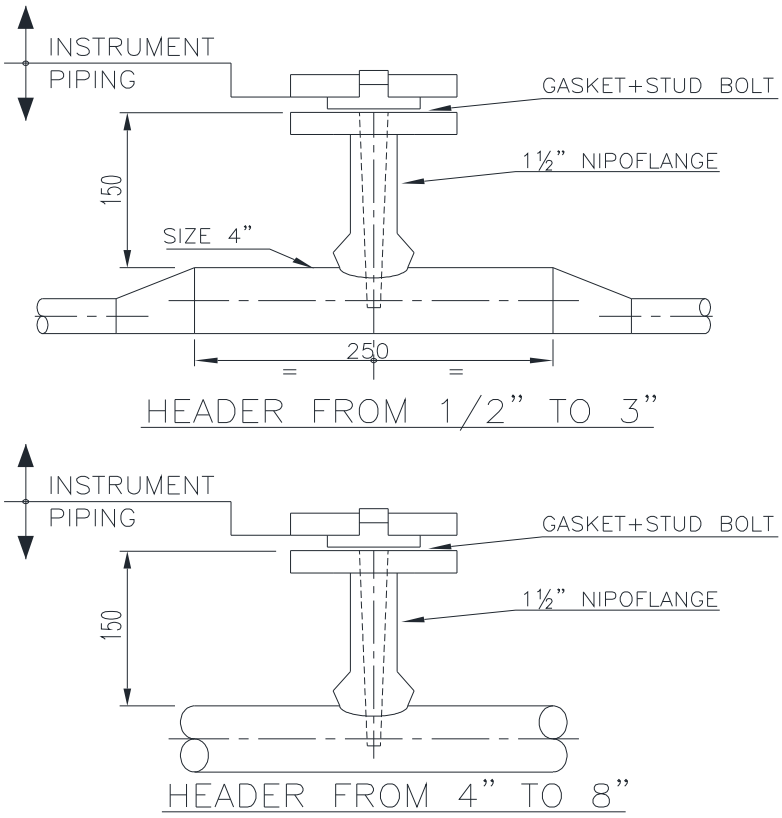
Vent (UP) Drain (DOWN)

Orientation of branch connection

NOTE:
1) Rating, component, valves and material shall be in accordance with relevant Piping material classes as per doc. 123A90-DDL-PP-SP-70000.
2) Nipoflange will be used only where applicable.

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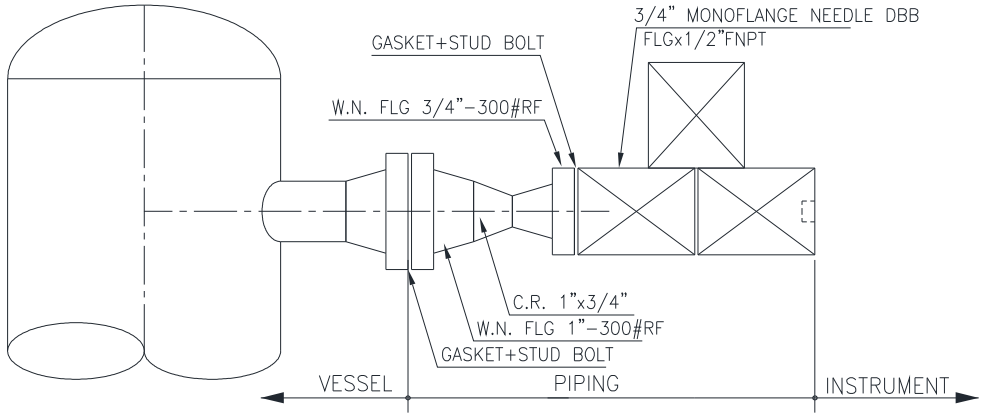
TC01 - TEMPERATURE CONNECTION PIPING CLASS 01CS-01SD



NOTE:
1) Rating, component, valves and material shall be in accordance with relevant Piping material classes as per doc. 123A90-DDL-PP-SP-70000.
2) Nipoflange will be used only where applicable.

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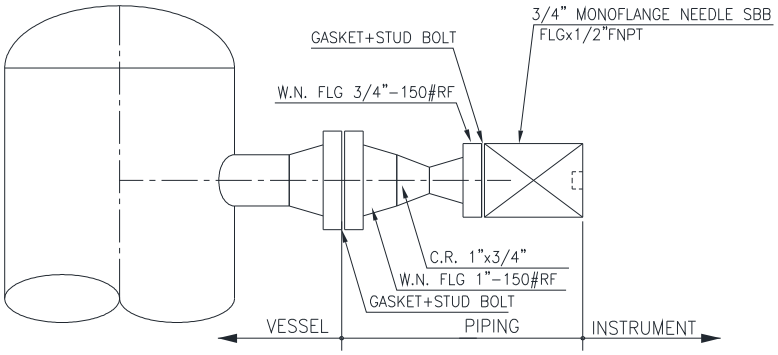
PCV01 - PRESSURE CONNECTION ON VESSEL PIPING CLASS 03HSS



NOTE:
1) Rating, component, valves and material shall be in accordance with relevant Piping material classes as per doc. 123A90-DDL-PP-SP-70000.

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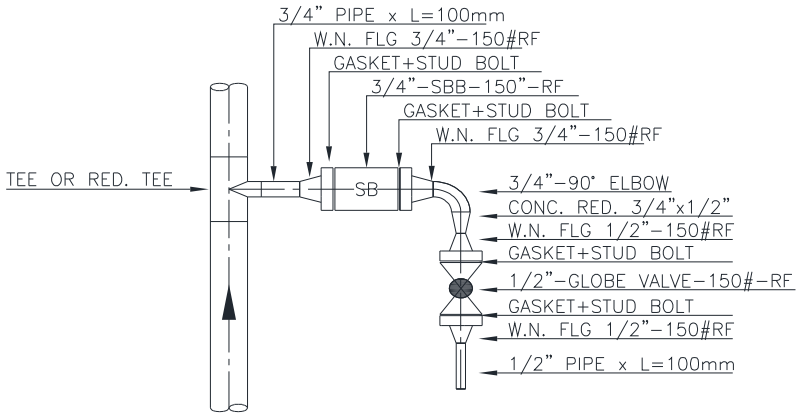
PCV02 - PRESSURE CONNECTION ON VESSEL PIPING CLASS 01HSS



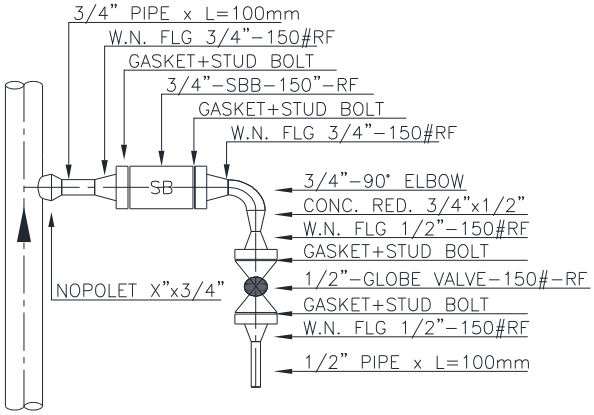
NOTE:
1) Rating, component, valves and material shall be in accordance with relevant Piping material classes as per doc. 123A90-DDL-PP-SP-70000.

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SC01 - SAMPLE CONNECTION PIPING CLASS 01SS



HEADER FROM 3/4" TO 2"

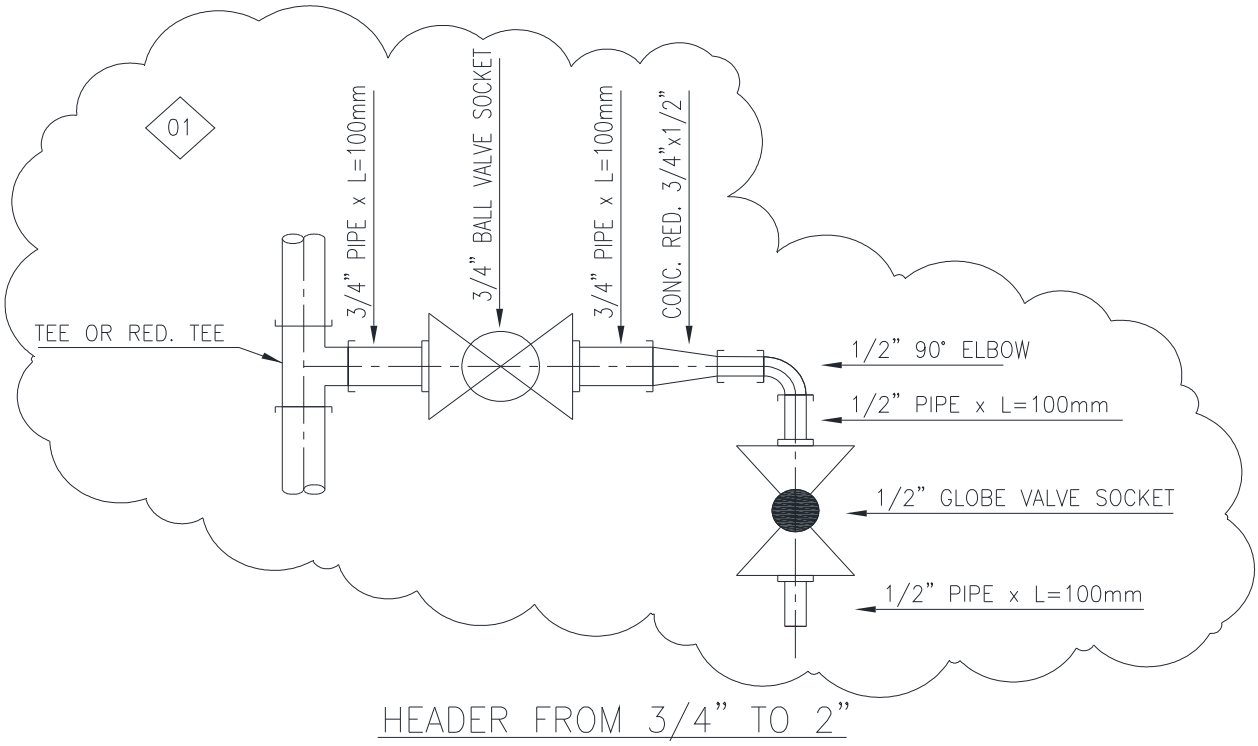


HEADER FROM 3" TO 4"

NOTE:
1) Rating, component, valves and material shall be in accordance with relevant Piping material classes as per doc. 123A90-DDL-PP-SP-70000.

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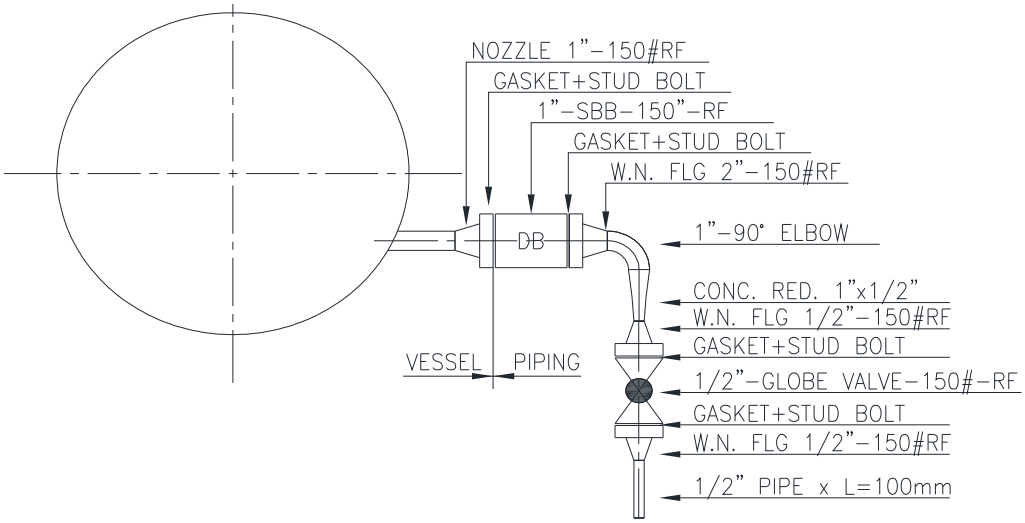
SC02 - SAMPLE CONNECTION PIPING CLASS 01CP



NOTE:
1) Rating, component, valves and material shall be in accordance with relevant Piping material classes as per doc. 123A90-DDL-PP-SP-70000.

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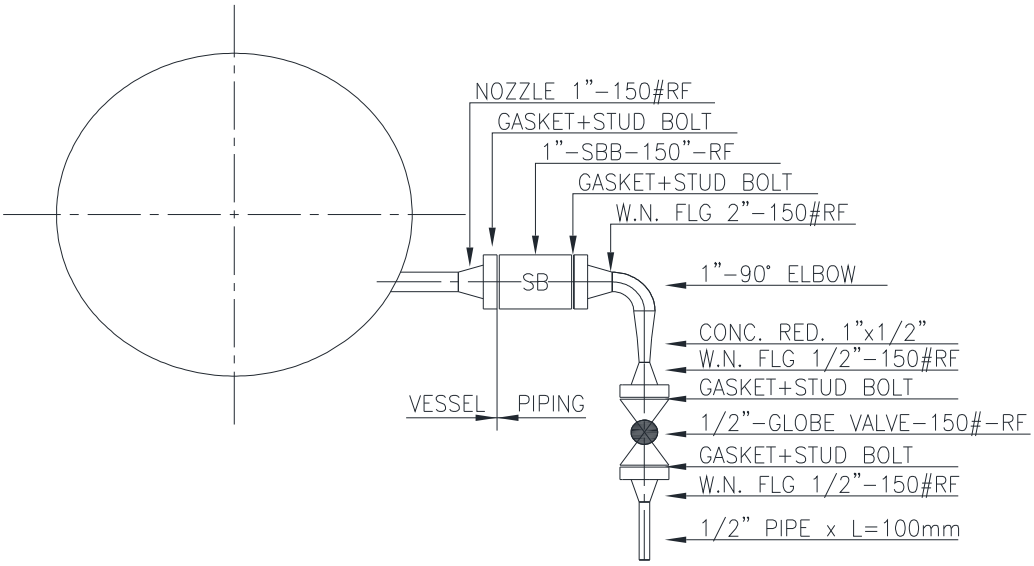
SCV01 - SAMPLE CONNECTION ON VESSEL PIPING CLASS 01HSS



NOTE:
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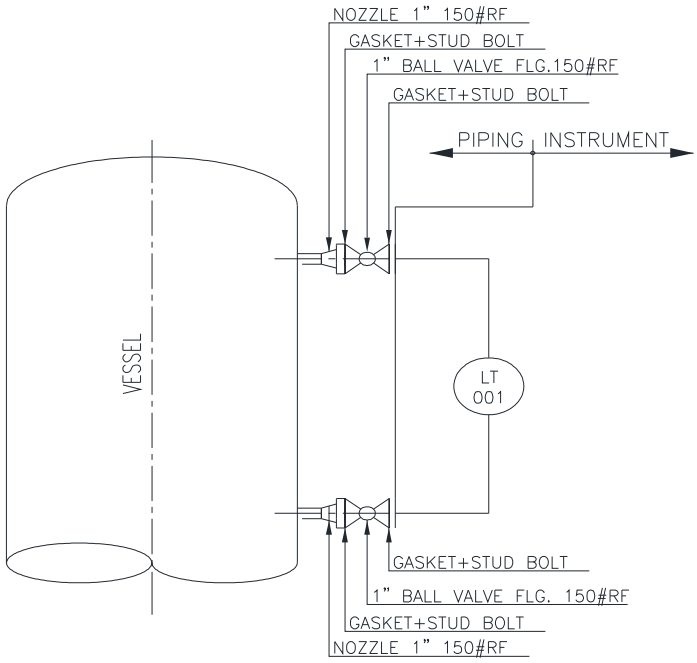
SCV02 - SAMPLE CONNECTION ON VESSEL PIPING CLASS 01CS-01SS-01SD



NOTE:
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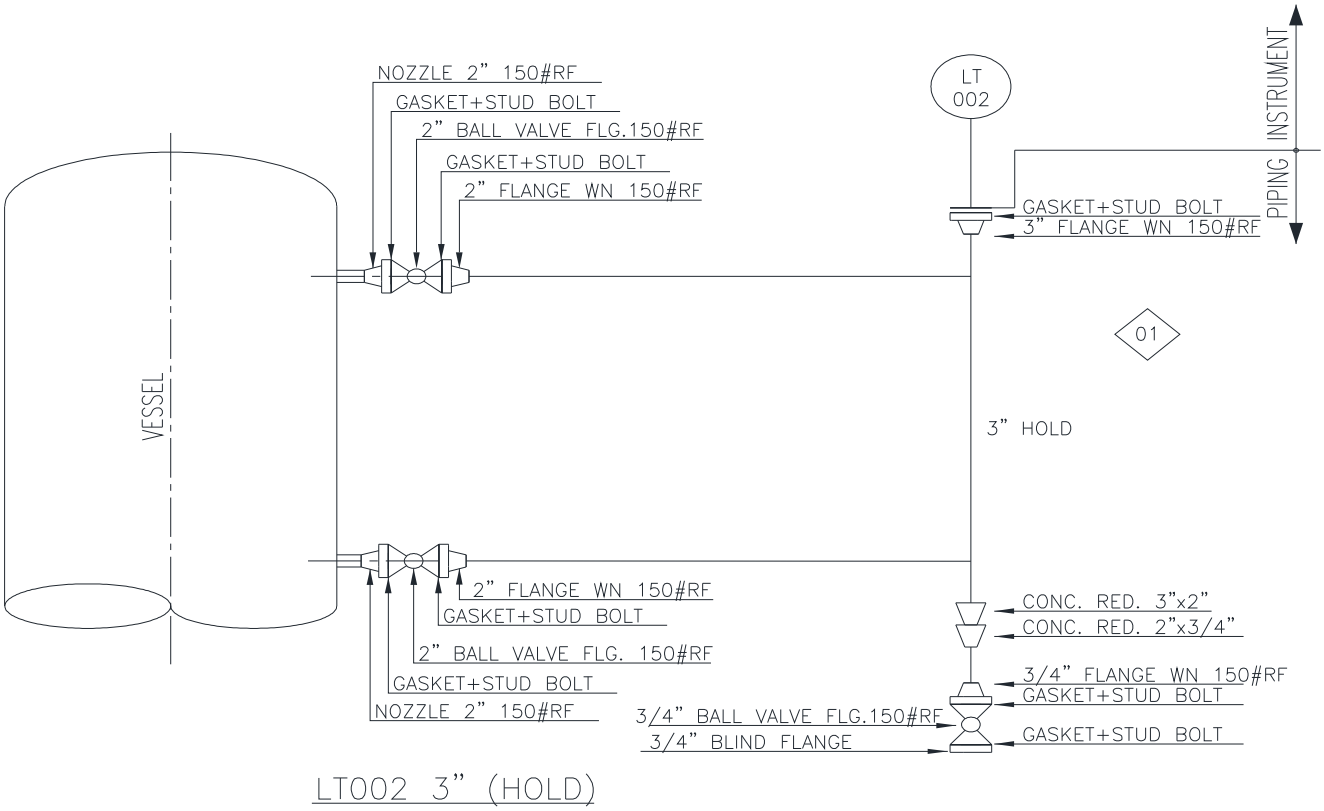
LCV01 - LEVEL CONNECTION ON VESSEL PIPING CLASS 01HSS



NOTE:
1) Rating, component, valves and material shall be in accordance with relevant Piping material classes as per doc. 123A90-DDL-PP-SP-70000.

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LCV02 - LEVEL CONNECTION ON VESSEL PIPING CLASS 01HSS



LT002 3" (HOLD)

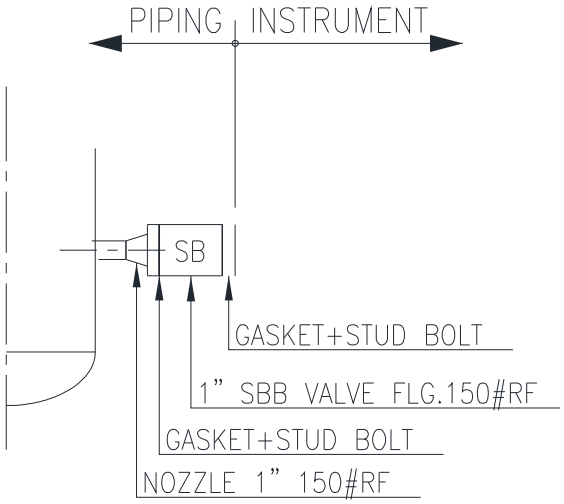
DELETED

HOLD 1: Stand pipe diameter to be confirmed

NOTE:
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LCV03 - LEVEL CONNECTION ON VESSEL PIPING CLASS 01SD - 01SS



LT/LIT 1"

Note: If the equipment nozzle has an FF flange, provide FF flange for the equipment, nipple and RF flange for the valve

NOTE:
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