

Parker make Nonconductive hose pipe for PINI and MC Water supply

Description	Size(NB)	MATERIAL	Inlet lenght (mm)	Outlet lenght (mm)
Plasma box(PB)	1"ID	Non conductive hose	11960mm	12167mm
Accelertion Grid(AG)	1"ID	Non conductive hose	12608mm	11413mm
DEceleration Grid(DG)	1"ID	Non conductive hose	14383mm	13377mm
Earth Grid (ED)	1"ID	Non conductive hose	13994mm	14265mm
Magnet Coil(MC)	1"ID	Non conductive hose	14657mm	12978mm

Parker Make Nonconductive Hose for PINI Water Supply

Magnet Liner (25NB)

Beam Transmission Duct(40NB)

Shine Through(40NB)

Ion Dump(80NB)

Pre Duct Scraper(25NB)

V-Target(65NB)

Neutralizer(40NB)

Instruments (Valves, FM, PG, TT)

PINI Water supply

Main Inlet Header for sub-system(200NB)

MainOutlet Header for sub-system(200NB)

PINI cooling water distribution line

Description	Size(NB)	Material	Inlet lenght (mm)	Outlet lenght (mm)
Plasma box(PB)	65 (NB)	SS316	1770mm	1738mm
Magnet Coil(MC)	15 (NB)	SS316	1580mm	1438mm
Acceleration Grid(AG)	40 (NB)	SS316	1920mm	1838mm
DEceleration Grid(DG)	40 (NB)	SS316	1939mm	1838mm
Earth Grid (ED)	40 (NB)	SS316	1910mm	1809mm

Sub-system cooling water distribution line

Main Header for sub-system	200 (NB)	SS316	24007mm	24314mm
Shine THROUGH(ST)	40 (NB)	SS316	13278mm	11330mm
BEam Transmission Duct(BTD)	40 (NB)	SS316	7714mm	6558mm
Pre Duct SCraper(PDS)	25 (NB)	SS316	5487mm	4714mm
IOon Dump(ID)	80 (NB)	SS316	7892mm	7244mm
V-Target(VT)	65 (NB)	SS316	2753mm	2497mm
Magnet LIner(ML)	25 (NB)	SS316	4239mm	2865mm
Neutralizer	40 (NB)	SS316	2652mm	2742mm
Description	Size(NB)	MATERIAL	Inlet lenght (mm)	Outlet lenght (mm)

PINI Drainage Line


Description	25 (NB) lenght (mm)	Material
Plasma box(PB)	300mm	SS316
Magnet Coil(MC)	300mm	SS316
Acceleration Grid(AG)	300mm	SS316
DEceleration Grid(DG)	300mm	SS316
Earth Grid (ED)	300mm	SS316

Sub-System Drainage Line

Description	25 (NB) lenght (mm)	MATERIAL
Neutralizer	1186mm	SS316
Magnet LIner(ML)	731mm	SS316
V-Target(VT)	962mm	SS316
IOon Dump(ID)	2334mm	SS316
Pre Duct SCraper(PDS)	1406mm	SS316
BEam Transmission Duct(BTD)	2858mm	SS316
Shine THROUGH(ST)	1178mm	SS316

Drainage Main Header Line

PINI	4849mm	SS316
Sub-system	18224mm	SS316
Description	40 (NB) lenght (mm)	MATERIAL

DRG.NO				▽ 8-25		▽▽ 1.6-8		▽▽▽ 0.025-1.6		▽▽▽▽ < 0.025		REVISION COLUMN						ASS'Y GROUP:		SIZE A3	INSTITUTE FOR PLASMA RESEARCH  BHAT, GANDHINAGAR-382 428.						
CO-ORDINATED BY													REV	ZONE	DESCRIPTION		DATE	REMARKS	APPROVED BY						ALL DIMENSIONS ARE IN 'mm' UNLESS OTHERWISE STATED		
MACHINING DEVIATIONS FOR NON-TOLERANCED DIMENSIONS																				SCALE	-	DATE	 TITLE  NBI CWS PIPING LAYOUT	REF DRG NO: SST - 1/NBI/WCS/3D MODEL			REV 00
LENGTH IN mm OF SHORTER SIDE OF ANGLES						LENGTH OR DIA	UPTO 6	6-30	30-120	120-315								DRAWN	SACHIN	3/05/15							
UPTO 10	10-50	50-120	OVER 120-400					+0.1	+0.2	+0.3	+0.5								CHECKED	M.R.JANA		SST - 1/NBI/WCS/PIPE		SHEET 1 OF 1			
+1°		+0°-30'		+0°-20'		+0°-10'													APPROVED								