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Adixen Alcatel ACM 1000 Multi Channel Controller, 120V, 6 Connections
Adixen Alcatel AHC 1010 Hot Cathode Pirani Gauge, 5E-10 To 1000 mBar, 100 mm Extent
Adixen Alcatel Sensor Cable For ACM 1000 Controller, 5m Length

275 Convectron Gauge - KF25 Welded Flange

Convectron Gauge Connector Kit

Cross, 4 Way, NW50, 276" Clearance, Stainless Steel
Tee, NW50, 276" Clearance, Stainless Steel
Elbow, NW50, 276" Clearance, Stainless Steel
Seal, Centering Ring, NW50, Stainless Steel, Viton O-Ring
Clamp, Quick, Wing Nut, NW50, Black
Cross, 4 Way, NW25, 1.97" Clearance

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Seal, Centering Ring, NW25, Stainless Steel, Viton O-Ring Clamp, Quick, Wing Nut, NW25, Black Seal, Centering Ring, NW16, Aluminum, Bura-N O-Ring

Steel, Viton O-Ring

Tee, NM25, 1.97" Clearance

Flexible Coupling, Non-Bridded, NM25, 39.4" Long

Flange, KF, Blank, NM25, Stainless Steel

Clamp, Quick, Wing Nut, NV/16, Black Conical Reducer, NV/25 To NV/16, Stainless Steel

Series 12 Gate Valve, DN160, Pheumatic, ISO Flange, Pos. Ind., NM25 Ports VAT Series 10 UHV Gate Valve, DN100, Pheumatic, 6" CFF, Pos. Ind. Right-Angle Block Valve - Air-operated - 24/DC - KF25

Pump, Turbo-V70, 4.5"OFF
Controller, Turbo-V70, Rack, 120V
Inlet Screen, DN 63

Vacuum System Bill Of Materials For EBIT Section

REF No./DESCRIPTION

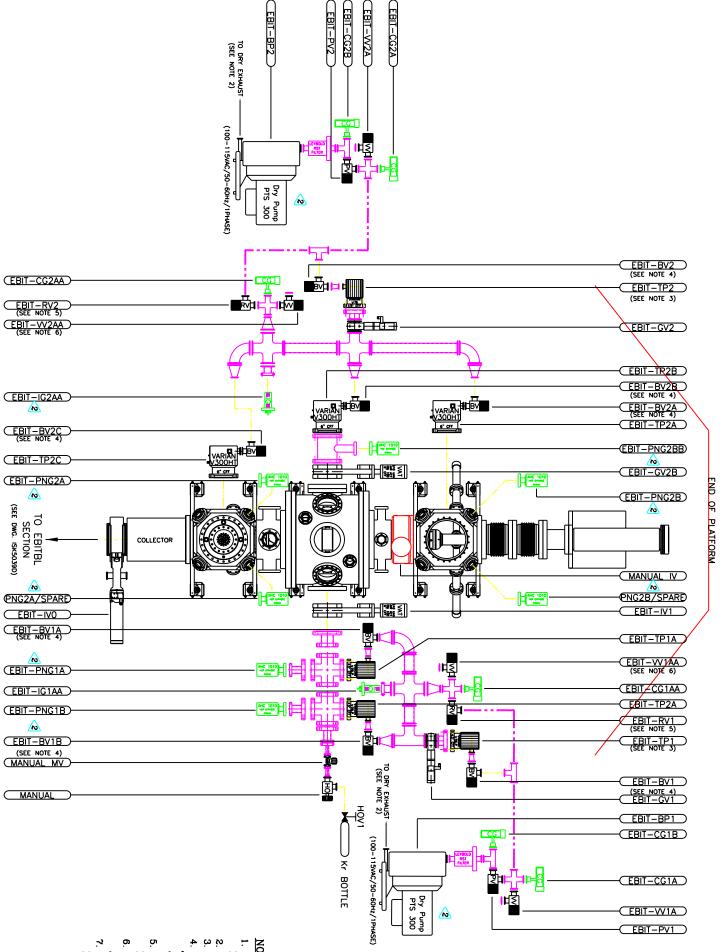
MATERIAL QUAN

PP

urbo-V 301 Navigator Pump, 8 in. CF

Description

Turbo-V 301 Inlet Screen DN 100
Pump, Turbo-V/70 1 February 120/20 V - 50/60 Hz



Mnemonics:	
Adapter, QF25 To 1" I.D. Tube, Stainless Steel	QF25-100-SH
Weld Flange, NW50, Bored For 1.5" Tube, Stainless Steel	KS500150BB
Half Nipple, 2.75" CFF, 1.5" Tube, Length = 2.46", Stainless Steel	FNH0150S
Adapter, 4.5" OFF To 2.75" OFF, Length = 2.5", Stainless Steel	FA04500275
Adapter, 4.5" CFF To NW50, Length = 2", Stainless Steel	FA0450NW50L
Conical Reducer, NV50 To NV25, Stainless Steel	KRC2550S
2.75" CFF Copper Gaskets, 10/pkg	FG02750
4.5" CFF Copper Gaskets, 10/pkg	FG0450Cl
6" CFF Copper Caskets, 10/pkg	FG0600CI

IG = Ion Gauge IP = Ion Pump

FG = Flow Gauge

EV = Pump Exhaust Valve

CP = CryopumpCG = Convectron Gauge CCP = Cryopump Compressor BV = Backing Valve

IV = Isolation Valve
GV = Gate Valve (For Pump)

HOV = Hand-Operated Valve

PR = Pressure Regulator NV = Needle Valve

- NOTES:

 1. THE ISOLATION VALVES (IV) FOR THE MAIN BEAMLINE ARE TO BE SPECIFIED BY THE TRIUMF DESIGN OFFICE.

 2. SCROLL PUMP EXHAUST IS TO BE CONNECTED TO A DRY EXHAUST SYSTEM.

 3. V70LP TURBO PUMP USED TO BACK BEAMLINE TURBO PUMPS.

 4. BACKING VALVE FOR THE V70LP TURBO PUMP IS CLOSED TO ISOLATE THE TURBO PUMP DURING VENTING / ROUGHING PROCEDURES. THE BACKING VALVES OF THE BEAMLINE TURBO PUMPS ARE FOR ROUGHING / BACKING.
- FORELINE AND/OR THE MAIN BEAMLINE.
 6. VENT VALVE POSITIONED ON BACKING LINE FOR VENTING THE FORELINE 5. ROUGHING VALVE POSITIONED ON BACKING LINE FOR EVACUATING THE
- 7. AHC 1010 PIRANI GAUGES HAVE AND/OR THE MAIN BEAMLINE. ROUGH VACUUM GAUGE NOT NEEDEI RANGE FROM 4E-10 T D WITH AHC 1010 INS

TO 750 TORR.	RVC = Rough Valve Cryopump RP = Roughing Pump SV = Solenicd Valve
STALLED.	SV = Soleniod Valve TP = Turbomolecular Pump
	TSP = Ti Sublimation Pump VV = Vent Valve
	XO = Cross Over Valve

TRI-DN-	REA #	CHECKED	DRAWN BARRY ROSS	DESIGNED	ALL DIMS IN INCHES	ANGULAR ±	DECIMALS .XX ±	TOLERANCES UNLESS OTHERWISE SPECIFIED			
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THEFO-MIGLE PROJECTION	DWG NO.	JAC CARCAIMENI HALL		TITAN BEAMLINE - EBIT	VACUUM SYSTEM SCHEMATIC	4004 WESBROOK MALL VANCOUVER, BRITISH COLUMBIA CANADA VET-2A3	EBIT Original Issue.	ISAC IIIAN Updated naming. Updated gauging - See Note 7	ISAC IIIAN Changed EBIT:BP1/BP2 To Scroll Pumps.		
10R00410	ISKEO117				ПС	CANADA'S NATIONAL MESON FACILITY			gauging - See Note 7	Scroll Pumps.	
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PLAN VIEW