

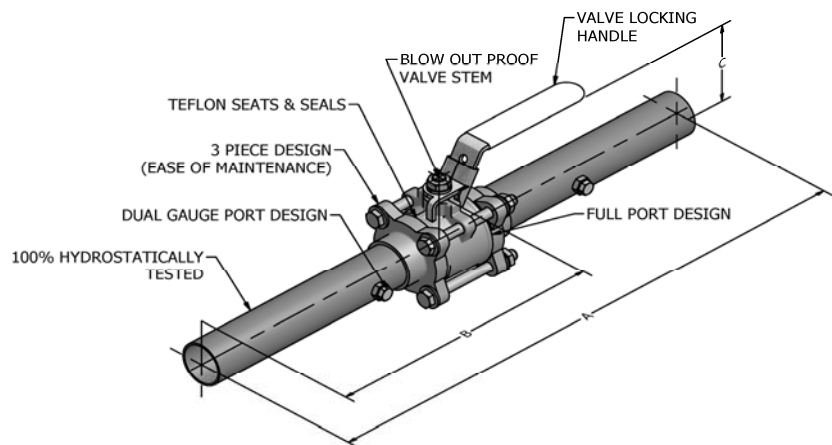
Medical Isolation Valve With Dual Ports and Locking Handle

General Specifications:

- Ball type with full port design
- Bronze/Brass body and chrome-plated brass ball
- Three piece design with double seals
- 1/4 turn handle operates open to closed position
- Valve is serviceable in the line
- Supplied clean and prepared for oxygen use per CGA G-4.1
- Capped and packaged in a polyethylene bag

Features:

- Teflon material ball seats and stem seals
- Lubricants and valve materials are compatible with USP oxygen, nitrous oxide, medical air, carbon dioxide, helium, nitrogen and mixtures thereof
- Continuous pressure of up to 600 psig and vacuum service to 29" Hg
- Type K copper tube extensions for connections on the pipeline



Medical Isolation Valve with Dual Ports and Locking Handle						
Part Number	Valve Size (Nominal)	O.D.	A	B	C	Bolt Pattern
PMIV-2L-050	1/2"	5/8"	21.00	7.87	1.69	4 Bolt
PMIV-2L-075	3/4"	7/8"		8.25	1.89	
PMIV-2L-100	1"	1-1/8"		8.58	2.05	
PMIV-2L-125	1-1/4"	1-3/8"		8.75	2.56	
PMIV-2L-150	1-1/2"	1-5/8"		8.87	2.72	
PMIV-2L-200	2"	2-1/8"		10.87	3.15	
PMIV-2L-250	2-1/2"	2-5/8"	32.0	16.00	4.29	6 Bolt
PMIV-2L-300	3"	3-1/8"			4.61	
PMIV-2L-400	4"	4-1/8"			7.90	

Shop Drawing Submittal Review

Transmitted To: Cannon Design

Date: November 4, 2016

Attention: stl-cac@cannondesign.com

Contact Person / WTA Field Inspector:
Patrick Garner

Project Name: Webster University-**ISB**

Reviewed by: Mike Whitworth (WES)

Project No. WT 14127.01
WES 607

☐

UPS

☐

Courier

☒

Email

Copies	No.	Description
1 PDF	226313P01	(Submittal No.'s)
		(Cannon #226313-008) - (Paric #15051-0285) - (WES #607)
		➤ Gas Piping Accessories (Vacuum Piping for Lab Facilities)

***Remarks: See Submittal Review from Webb Engineering.**

c: Kelvin Patel
Kpatel@cannondesign.com

☒

***Reviewed**

☒

***No Exceptions Taken**

☐☒

***Make Corrections As Noted,
No Resubmittal Required**

Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with requirements of drawings and specifications. This check is only for review of general conformance with the design concept of project and general compliance with information given in contract documents. Contractor is responsible for: confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordinating his work with that of all other trades; and performing his work in a safe and satisfactory manner.



1400 S. 3rd Street, Suite 201
St. Louis, Missouri 63104
Phone: (314) 588-0600
Fax: (314) 588-0604

Letter of Transmittal

To: **wtashop@wmtao.com**

From: **Mike Whitworth**

Date: **November 03, 2016**

Re: **Webster University ISB**

WES No: **607**

☐ For your Files

☐ For Review

☐ Please Comment

☐ Please Reply

Item No.	Description	No. of Copies	Date
1	Shop Drawing Review – 226313 Vacuum Piping for Laboratory Facilities	1	11-03-2016

•Signature: Mike Whitworth

**WEBB
ENGINEERING
SERVICES INC.**www.webb-engineering.com

The review of this submittal is limited to the general conformance with the designated design concept and intent of this project and with the general compliance of the information provided in the contract documents. All comments, remarks and notations made on the submittal(s) as a result of this review do not relieve the contractor from full compliance with requirements of the contract documents. Approval for a specific item shall not include approval of an assembly of which the item is not a component. The contractor is solely responsible for rough-in and installation confirming and correlating all quantities and dimensions; selecting fabrication processes and techniques of construction; coordination of this work with that of other trades on this project; and in a safe and satisfactory manner. All work shall be installed in full compliance with the manufacturer's recommendation, Federal, State and Local rules and regulation and the Authority Having Jurisdiction (AHJ) and applicable adopted codes and standards.

PROJECT NAME: Webster University ISB
 LOCATION: St. Louis Missouri
 CLIENT PROJ. No.: N/A
 WES PROJ. No.: 607
226313
Gas Piping for
 SPEC SECTION: Laboratory Facilities
 SUBMITTAL ITEM:: See Below -

CONTRACTOR: ICON Mechanical.
 CTR. SUBMITTAL # 22 6313-008
 SUBMITTAL DATE: October 12, 2016
 DATE RECEIVED: October 14, 2016
 RECEIVED VIA: E-Mail
 RECEIVED FROM: WTA
 DATE RETURNED: NOVEMBER 03, 2016
 RETURNED VIA: E-MAIL
 RETURNED TO: WTASHOP@WMTAO.COM

STATUS KEY:

NEC	NO EXCEPTION TAKEN					
	MCN	MAKE CORRECTIONS NOTED, NO RESUBMITTAL:				
		AAR	AMEND AND RESUBMIT			
			REJ	REJECTED, SEE REMARKS:		
				REV	REVIEWED ONLY	
					ITEM	REMARKS
Patton's Medical is not listed in the project manual as an acceptable / alternate manufacturer to the basis of design. Review of their products in this submittal does indicates they are comparable to the basis of design						
X					Zone Valve Box Patton's Medical ZVN 050505050507	
X					Back Mounted Gauges Patton's Medical PM-GA2-300, PM-GA2-100, PM-GA2-VAC	
	X				Wall Outlets and Inlets Patton's Medical D.I.S.S. Type	1. Verify finish of wall plates with Architect prior to ordering.
X					Medical Isolation Valves Patton's Medical 3-Piece Ball Valve	
X					General Purpose Regulator Patton's Medical REG-G-LP-05, REG-G-LP-05	
X					Header Bar Accessories Misc. Fittings and Hardware	

REVIEWED BY: Michael R. Whitworth DATE: November 03, 2016

THESE COMMENTS ARE TO BE ATTACHED TO ALL COPIES OF THE SHOP DRAWING REFERENCED ABOVE.



77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0285

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 10/13/2016

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

RE: Gas Piping Accessories Product Data

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☐ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☒ Other: Product Data	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		226313-008	1		10/13/2016	Gas Piping Accessories Product Data	Submitted

NOTES:

CC:

Signed: _____
Devin Gates



Mechanical

LETTER OF TRANSMITTAL

TO: Paric Corporation

77 West Port Plaza #250

St. Louis, MO 63146

ATTN: Jason Szachnieski, Devin Gates

DATE: 10/12/16

JOB #: 5768

RE: Webster ISB

We are sending you

☒

Shop drawings

☐ Attached

☐ Prints

☐ Under separate cover

☐ Plans

☐ Samples

☐ Specifications

☐ Copy of letter

☐ Change order

☐ Other

COPIES	DATE	NO.	DESCRIPTION
1	10/12/16	236313	Laboratory Gas Piping Accessories

These are transmitted as checked below:

☐ For signature

☐ For your use

☐ As requested

☐ For bids due

☒

For review and comment

☐ Approved as submitted

☐ Approved as noted

☐ Returned for corrections

☐ Prints returned after loan to us

☐ Other

☐ Resubmit

☒ Submit

☐ Return

☐ copies for approval

☐ copies for distribution

☐ corrected prints

Remarks: Please return by 10/25/16

COPY TO: file

SIGNED:

Alex Chambers



Mechanical

Webster University ISB Webster Groves, MO

Submittal #:

226313

Submittal Description:

Laboratory Gas Piping Accessories

Return By:

10/25/16

Please Note: To avoid scheduling delays and equipment release delays, please submit by the "Return By" date.

CHECKED BY:			
DESIGNER:		ENGINEER:	
☒	NO EXCEPTION TAKEN	☐	MAKE CORRECTIONS NOTED
☐	SUBMIT SPECIFIED ITEM	☐	REVISE AND RESUBMIT
☐	REJECTED	☐	
Checking is only for general conformance with the design concept of the project and general compliance with the information given in the contract documents. Any action shown is subject to the requirements of the plans and specifications. Equipment supplier is responsible for: dimensions which shall be confirmed and correlated at the job site; fabrication processes and techniques of construction; coordination of his work with that of all other trades; and satisfactory performance of his work.			
		Job #:	5768
		Date:	10/12/16
		By:	ARC