

Le 29 octobre 2013.

MADAME ALICIA CZRNIAWSKI
ANRIC ENTERPRISES
701 EVANS AVE. SUITE 202
TORONTO ONTARIO
CANADA M9C1A3

RÉFÉRENCE : D35380 REV. B

PURGER XR 1500 NPT MECH
NOTRE DOSSIER : 959690

FABRICANT : ARMSTRONG INTERNATIONAL, INC.
816 MAPLE STREET
THREE RIVERS MI
U.S.A. 49093-2345

Madame ,

Selon la loi des appareils sous pression, votre plan a été accepté et enregistré sous le numéro 0E16277.56.

Veuillez accepter l'expression de nos sentiments les meilleurs.

TS pour
CRISTIAN CRISTEA

Inspecteur

Service de l'inspection de la fabrication
d'appareils sous pression
545, boulevard Crémazie est, 7^{ème} étage
Montréal (Québec) Canada
H2M 2V2

Téléphone : (514) 873-6459
Sans frais : 1 866 262-2084
Télécopieur : (514) 873-9936

Statutory Declaration Registration of Fittings

(a) Design Qualification

I¹ Andy Schirk
(Name of applicant)

Quality Assurance Manager
(Position eg, president, plant manager, chief eng.)

of Armstrong International, Incorporated
(name of company)

Located at 816 Maple Street, Three Rivers MI 49093 USA
(plant address)

do solemnly declare that the fittings listed hereunder, which are subject to the Boilers & Pressure Vessels Act:

comply with all the requirements of the ANSI/ASME codes as to their dimensions, material, identification & service for which are required: Consistent with

Or ASME B31.3

are not covered by the provisions of the ANSI/ASME codes, and are therefore constructed to comply with 2010 Edition code and standard, and are designed to the best current engineering practice, as shown by the supporting test data.

(b) Quality control of Manufacture

I further declare the manufacture of these fittings is controlled by a quality control program which complies with the requirements of ISO 9001:2008, and has been verified by the following authority or authorized agency HSB Registration Services

The fittings² covered by this declaration, for which I seek registration, are Purgers: Mechanical, Single Point, Multi Point

In support of the application, the following information, calculations and/or test data are attached:

Declared before me at Three Rivers

In the of county of St. Joseph

The date day of July AD 2013

Roberta M. Ryan
A (commissioner for oaths)

ROBERTA M. RYAN
Notary Public, St. Joseph Co., MI
My Commission Expires Sept. 13, 2018

Andy Schirk
Signature of Declarer³

For Official Use Only

The application is accepted for registration in Category E in accordance with the Boilers and Pressure Vessels Act and CSA Standard B51.

This registration must be revalidated after ten (10) years from the date of acceptance.

Registered Number CRN 0E16277.56

For the Chief Inspector [Signature]
Date 28 OCT. 2013

¹ Three completed copies of Statutory Declaration form together with three copies of Catalogs, drawings of Bulletins illustrating above fittings shall be submitted.

² All fittings are required to be registered in the name of the Manufacturer.

³ This form shall be completed and signed by the president of highest official in the manufacturing plan where the fitting is produced.

OE 16277.56

28 OCT. 2013

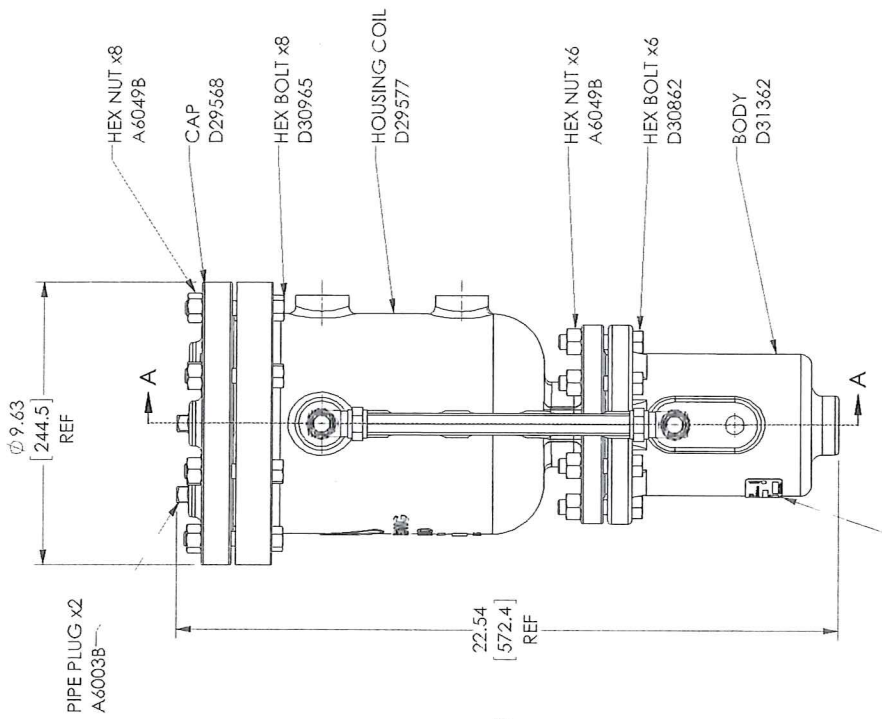
Scope of Registration

The Armstrong Purger cap, coil housing, and body are constructed of Cast Stainless Steel (ASTM A351-CF8M).

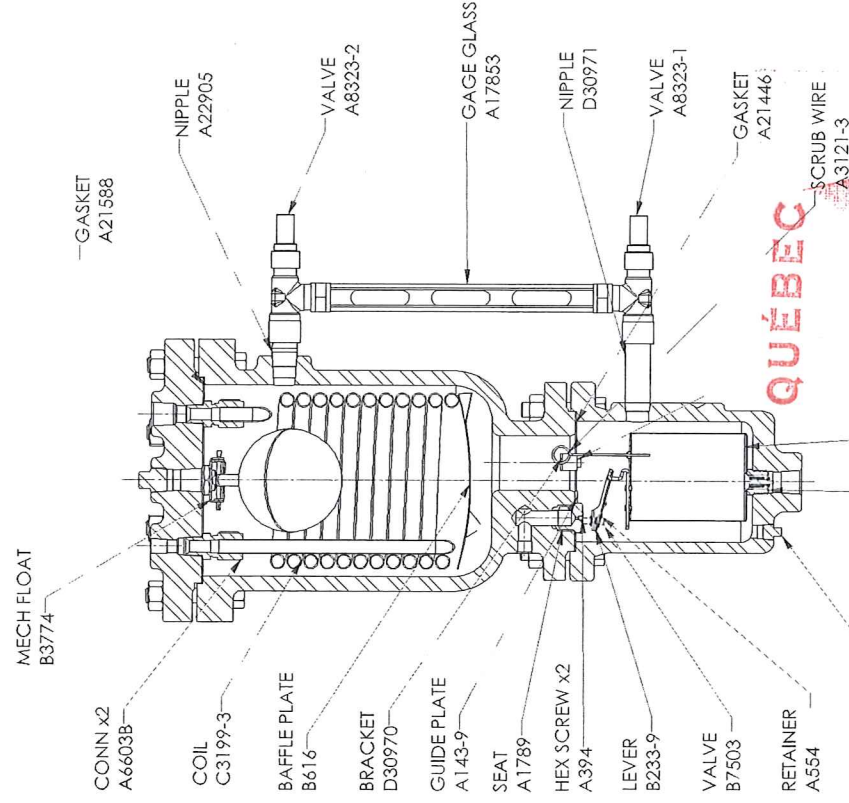
The Purger assembly complies with the requirements of the ASME B31.3.

Product details below,

Models	Pipe Plug	Design Pressure	Design Temp	Burst Pressure	MAWP at Ambient	MAWP at 200F
XR 1500 MECH	½" & ¼" NPT	350 psi	200 F	2550 psi	437.23 psi	437.23 psi



NAMEPLATE A22354
DRIVE SCREWS A6091 x2



QUÉBEC

INREGISTRÉ
SCREW PHIL X2
BUCKET
LA LOTA.S.P.
A1842
SECTION A-A
SCALE 1:2
MEC/CRN

0416277.56

SIGN: _____

DATE: **28 OCT. 2013**

NOTE:
1. ALL INTERNALS STAINLESS STEEL

		ARMSTRONG INTERNATIONAL Copyright © 2010 ARMSTRONG INTERNATIONAL, INC.	
DO NOT SCALE DRAWING TOLERANCES UNLESS OTHERWISE SPECIFIED		PURGER XR1500 NPT MECH AMMONIA	
FRACTIONAL: ± 1/64 ANGULAR: ± 2	IN: .0005 .010 .015 .020 .030 .040 .050 .060 .070 .080 .090 .100	NAME: Phillip Knight DATE: 08/08/2013	SHEET 1 OF 1
DRAWN: _____ RELEASED: _____	MATERIAL: CN25640	REV: B	DWG: D35380

DIMENSIONS & DATA CERTIFIED FOR:

Representative: _____

Order: _____

Customer: _____

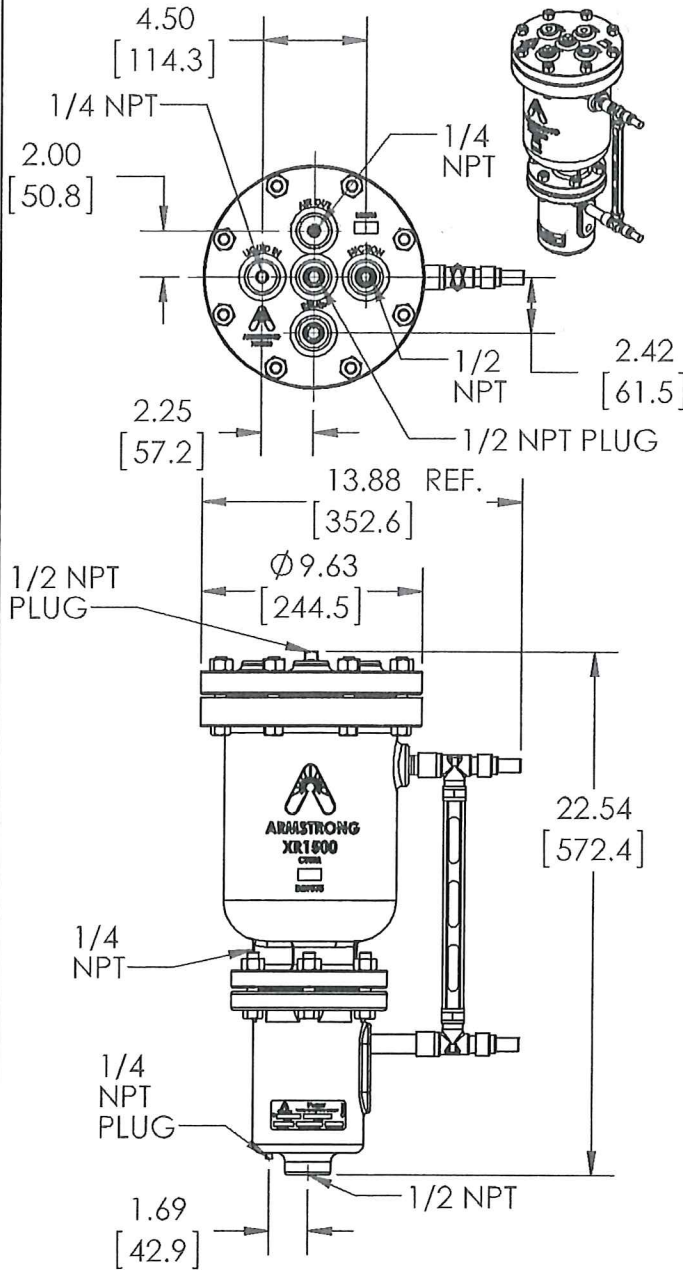
Order: _____

Project: _____

Requirements: _____

By: _____

Date: _____



Dimensions Are In Inches [mm]

LIST OF MATERIALS:

NAME OF PART	MATERIAL
BODY	INVESTMENT CAST ASTM A351 CF8M
CAP	
COIL HOUSING	
INTERNALS	T316 SS, T304 SS & 440 STL.
BAFFLE PLATE	T304 SS
FLOAT ASSY	
COIL, REFRIGERATION	T304 SS TUBING, 2.36 SQ. FT.
BOLT	ASTM A193 GR B8M
NUT	ASTM A194 GR 8M

TECHNICAL INFORMATION:

MODEL NO.	XR1500 SERIES
PIPE CONNECTION	1/4 & 1/2 NPT
WEIGHT	110 lbs. [50 kgs] APPROX.
PIPE PLUG	1/4 & 1/2 NPT

DESIGN INFORMATION:

MAX. ALLOWABLE PRESSURE (VESSEL DESIGN)	350 psi @ 200°F [24 bar @ 93°C]
MAX. OPERATING PRESSURE	300 psi [20 bar]
INTERNAL VOLUME	1.32 gal. [5.0 L]
DESIGNED FOR	FREON, PROPANE & AMMONIA

OE16277.56

2 OCT. 2013



Product

PURGER XR1500 MECH

ENGLISH

CD No.

Rev;

Date

WEB
YIN
X

CD2735

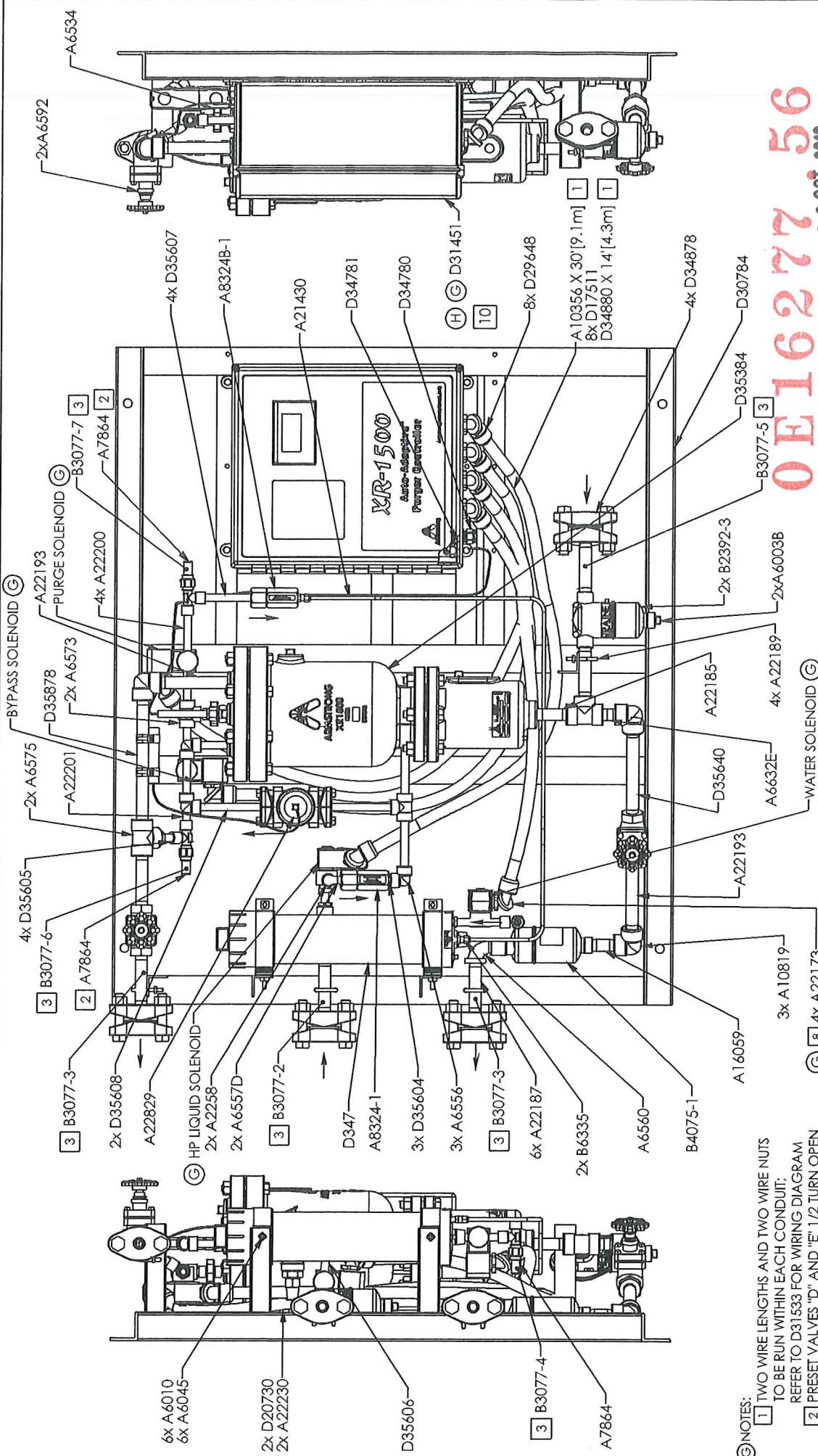
A

03/05/2012

SHEET 1 OF 1

By: P Grandlinard

CN26481



0E16277 56

28 OCT. 2013

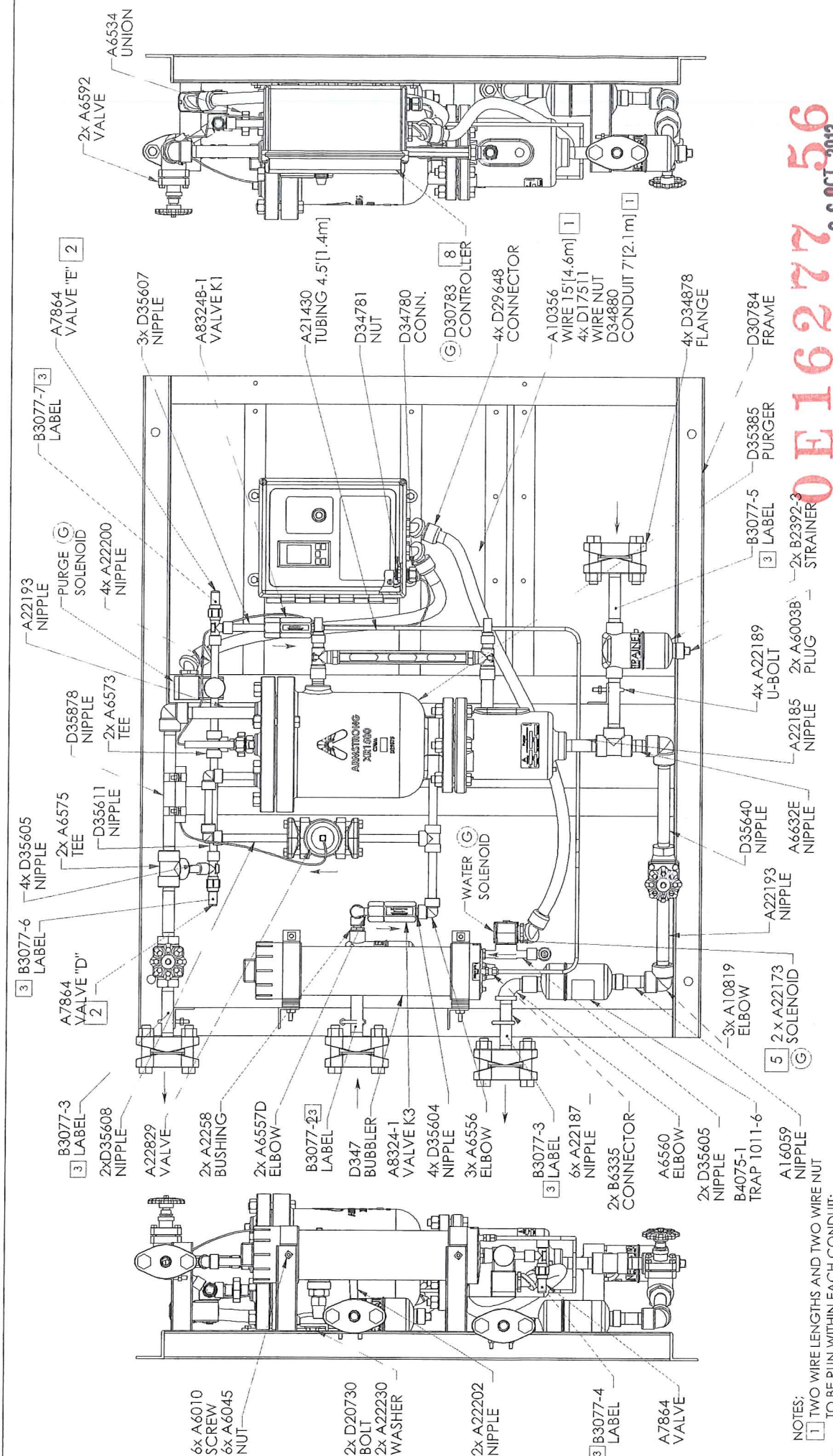
NOTES:

- 1 TWO WIRE LENGTHS AND TWO WIRE NUTS TO BE RUN WITHIN EACH CONDUIT; REFER TO D31533 FOR WIRING DIAGRAM
- 2 PRESET VALVES "D" AND "E" 1/2 TURN OPEN
- 3 INSTALL LABELS WITH COPPER WIRE, TIE OR CLIPS.
4. PRESSURE TEST TO 125-150 psig [8.6 - 10.3 bar] AIR.
5. THE MULTIPoint PLC PROGRAM MUST BE DOWN- LOADED FROM D31301- MEMORY MODULE (PROGRAMMED) FOLLOWING UNIT WIRING & AS UNIT IS POWERED UP. THE NUMBER OF PURGE POINTS MUST BE VERIFIED FOLLOWING PROGRAM DOWNLOADING.
6. VERIFY POWER SUPPLY SELECTOR SWITCH IS IN THE 115 VAC POSITION.
7. ADD LABEL B2189-1 INSIDE CONTROLLER.
- 8 WIRE SOLENOIDS AS 120 VAC.
- 9 THE USE OF REFRIGERANT COMPATIBLE THREAD SEALANT IS REQUIRED.
- 10 D31343: SERIAL NUMBER LABEL, LOCATED INSIDE ENCLOSURE LID, LOWER RIGHT HAND CORNER, NOT SHOWN.

DO NOT SCALE DRAWING	
TOLERANCES UNLESS OTHERWISE SPECIFIED	
DIMENSIONING ENGLISH (Inch)	
ANGULAR: ± 2	
INCH	MM
.XXXX ± .0005	_____
.XXX ± .005	_____
.XX ± .015	_____
.X	_____

Armstrong	
NAME	DATE
peug	08/26/201
DRAWN	MATERIAL
RELEASED	

ARMSTRONG INTERNATIONAL Copyright © 2010 ARMSTRONG INTERNATIONAL, INC.	
XR1518 MP PURG PKG AMMONIA 120 VAC 50/60 HZ	
CN33386	SHEET 1 OF 1
REV	DWG: D36040



OE16277

28 OCT. 2013

ARMSTRONG INTERNATIONAL
 Copyright © 2010 ARMSTRONG INTERNATIONAL, INC.
 XR1501 SP PURG PKG AMMONIA 120V AC
 50/60 HZ

NAME	DATE
psulg	08/29/2011
DRAWN	MATERIAL
RELEASED	

DO NOT SCALE DRAWING	
TOLERANCES UNLESS OTHERWISE SPECIFIED	
DIMENSIONING ENGLISH (mm)	
FRACTIONAL: ± 1/64	IN MM
ANGULAR: ± 2	IN MM
DECIMAL: .0005	0.10
.005	.10
.015	.3
.03	

- NOTES:
- 1 TWO WIRE LENGTHS AND TWO WIRE NUT TO BE RUN WITHIN EACH CONDUIT; REFER TO D31022 FOR WIRING DIAGRAM
 - 2 PRESET VALVES "D" AND "E" 1/2 TURN OPEN
 - 3 INSTALL LABELS WITH COPPER WIRE, TIES OR CLIPS
 - 4 PRESSURE TEST TO 125-150 PSIG [8.6 - 10.3 bar] AIR.
 - 5 WIRE SOLENOIDS AS 120V AC.
 - 6 ADD LABEL B2189-1 INSIDE CONTROLLER.
 - 7 THE USE OF REFRIGERANT COMPATIBLE THREAD SEALANT IS REQUIRED.
 - 8 D31343 : SERIAL NUMBER LABEL, LOCATED INSIDE ENCLOSURE LID, LOWER RIGHT HAND CORNER, NOT SHOWN.

REV G DWG: D36041

CN33268

SHEET 1 OF 1