



OXYGEN TECHNOLOGIES®

ON2 Systems, Inc.

CORPORATE OFFICE

780 Fifth Avenue South, Suite 200
Naples, FL 34102 USA

PRODUCTION FACILITY

191 North Cavalier Street, Unit 2
Pembina, ND 58271 USA

ISSUED September 22, 2026
PREPARED FOR ON2 Customers and Project Stakeholders
PRODUCTS ON2 Aura® 20, Aura® 40, and Aura® 80 Systems

MANUFACTURER'S CERTIFICATE

CERTIFIED EQUIPMENT DATA

Oxygen System Storage Capacity

ON2 Systems, Inc. issues this certificate to document the standard oxygen storage configurations and equivalent gas quantities for the Aura® 20, Aura® 40, and Aura® 80 oxygen systems.

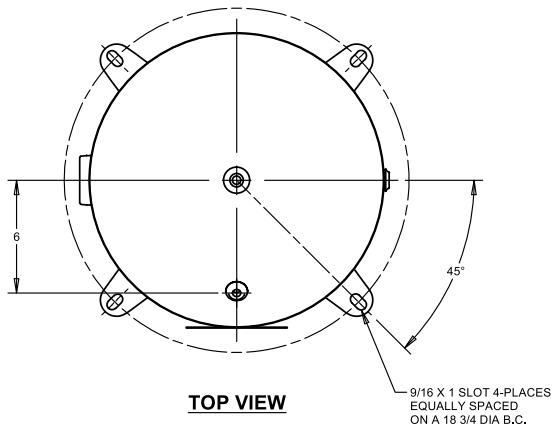
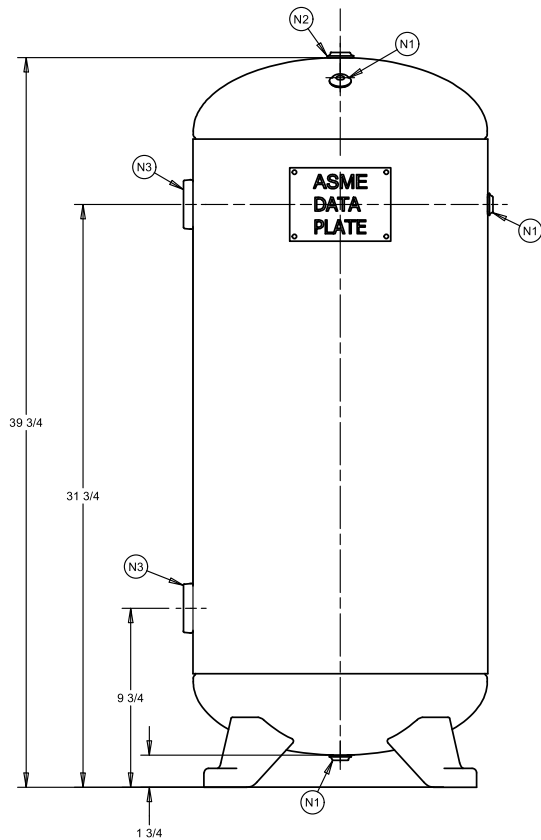
The Aura® 20 and Aura® 40 are each supplied with one **30-US-gallon oxygen receiver**. The Aura® 80 is supplied with one standard **80-US-gallon oxygen receiver** or one optional **200-US-gallon oxygen receiver**. Receiver alternatives are not combined within one system. All configurations shown below operate at a maximum pressure of **130 psig**.

SYSTEM STORAGE CONFIGURATIONS AND CALCULATED VOLUME

SYSTEM	RECEIVER CONFIGURATION	PHYSICAL VESSEL VOLUME	PRESSURE RATIO	EQUIVALENT GAS VOLUME AT 1 ATM
Aura® 20	30 US gal Standard	4.010 ft ³	9.846 : 1	39.5 ft³
Aura® 40	30 US gal Standard	4.010 ft ³	9.846 : 1	39.5 ft³
Aura® 80	80 US gal Standard	10.694 ft ³	9.846 : 1	105.3 ft³
Aura® 80	200 US gal Optional alternative	26.736 ft ³	9.846 : 1	263.2 ft³
AURA 20 / AURA 40 · 30 GALLONS 39.5 ft³		STANDARD 80-GALLON RECEIVER 105.3 ft³		OPTIONAL 200-GALLON RECEIVER 263.2 ft³

Calculation basis. Vessel volume = US gallons × 0.1336806. Equivalent gas volume at one atmosphere = vessel volume × (130 psig + 14.696 psi) ÷ 14.696 psi. Values are nominal and assume ideal-gas behavior and equal gas temperature before and after expansion. This certificate states manufacturer equipment data and calculated quantities only. The customer and authority having jurisdiction determine application to adopted codes, storage arrangements, and other medical-gas containers at the facility.

Issued by ON2 Systems, Inc. on September 22, 2026.



NOZZLE CHART	
NOZZLE ID	NPT SIZE
N1	1/4
N2	1/2
N3	1 1/2

DESIGN INFORMATION	
SPECIFICATION	VALUE
DIAMETER O.D./I.D.	16 O.D.
MAWP	200 PSI AT 400°F
MDMT	-20°F AT 200 PSI
CAPACITY	APPROX 30 GALLONS
SHIPPING WEIGHT	84 LBS
CRN	L4032.5C

(BUILT IN ACCORDANCE WITH LATEST EDITION OF SECTION VIII DIV 1 ASME CODE)

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C17	ISSUED		
REV	DESCRIPTION	BY	DATE

TITLE					
VERTICAL AIR RECEIVER					
CUSTOMER		DRAWN	CHECKED	DRAWING NO	REV
STOCK		KAT 9/1/2016	DMM 9/20/2016	A10040	C17
TYPE		SHEET 1 OF 1			
ASME		SIZE: B			

Standard Receiver — Manufacturer's Data Report

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)

As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1 Page 1 of 2

1. Manufactured and certified by **Samuel Pressure Vessel Group, 58 Samuel Way, Lebanon, Virginia, 24266, USA**
(Name and address of Manufacturer)

2. Manufactured for **Stock**
(Name and address of Purchaser)

3. Location of Installation **Unknown**
(Name and address)

4. Type **Vertical** **1148034 thru 1148057** **L4033.5C** **A10325 Rev.19** **1148034-1148057** **2026**
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)

5. ASME Code, Section VIII, Division 1 **2025/ N/A** **None** **None**
(Edition and Addenda, if applicable (date)) (Code Case numbers) (Special service per UG-120(d))

6. Shell: **SA414-G** **.154"** **None** **1' 8" (OD)** **4' 3.5"**
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) (Length (overall))

Body Flanges on Shells													
No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting				
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Seams: **Type No. 1** **None** **70%** **N/A** **N/A** **Type No. 2** **None** **65%** **1**
(Long, (welded, dbl., singl., lap, butt)) (R.T. (spot or full)) (Eff., %) (H.T. temp) (Time, hr) (Girth, (welded, dbl., singl., lap, butt)) (R.T. (spot or full)) (Eff., %) (No. of courses)

8. Heads: (a) **SA414-G** (b) **SA414-G**
(Material spec. number, grade or type) (H.T. - time and temp.) (Material spec. number, grade or type) (H.T. - time and temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	TOP	.124"	None	N/A	N/A	2:1	N/A	N/A	N/A		X	S	None	85%
(b)	BOTTOM	.124"	None	N/A	N/A	2:1	N/A	N/A	N/A		X	S	None	85%

Body Flanges on Heads													
	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting				
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material	
(a)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A

9. MAWP **200 psi** **N/A** at max. temp. **400 °F** **N/A**
(Internal) (External) (Internal) (External)

Min. design metal temp. **-20 °F** at **200 psi** Hydro, pneu., or comb. test pressure **HYDRO at 260 psi**

Proof test **N/A**

10. Nozzles, inspection and safety valve openings:

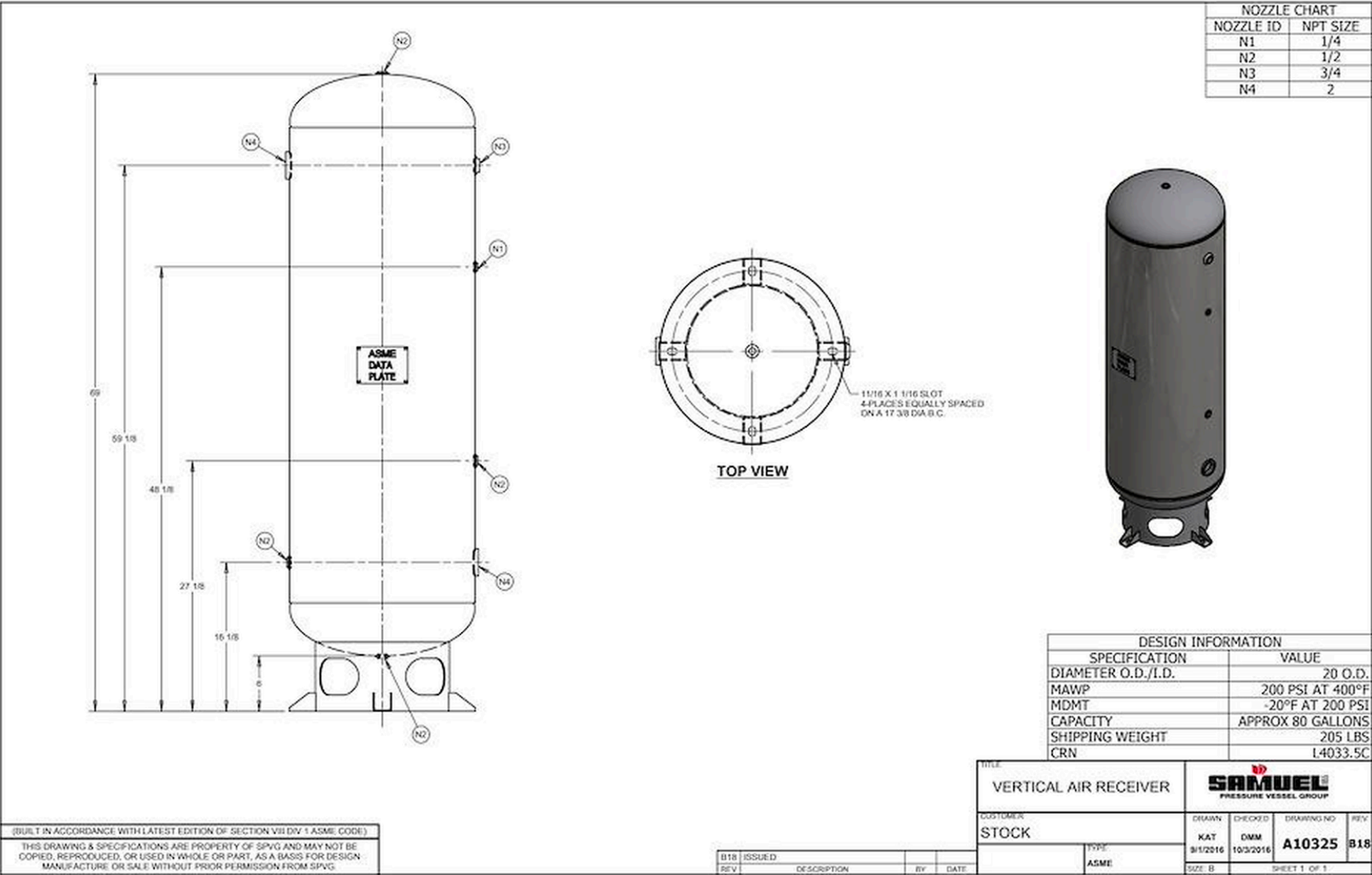
Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
Inspection	2	2.00"	Threaded Fitting	SA181 CL70	N/A	UG-11(a)(1)	N/A	Inherent	FigUW16.2(c)	N/A	Shell
Unknown	1	.750"	Threaded Fitting	SA181 CL70		UG-11(a)(1)		Inherent	FigUW16.2(c)		
Unknown	3	.500"	Threaded Fitting	SA181 CL70		UG-11(a)(1)		Inherent	FigUW16.2(c)		
Unknown	1	.250"	Threaded Fitting	SA181 CL70		UG-11(a)(1)		Inherent	FigUW16.2(c)		
Drain	1	.500"	Threaded Fitting	SA181 CL70	N/A	UG-11(a)(1)	N/A	Inherent	FigUW16.2(c)	N/A	Head

11. Supports: Skirt **Yes** Lugs **0** Legs **0** Other **Name Plate** Attached **Heads - Welded**
(Yes or no) (Number) (Number) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors, have been furnished for the following items of the report:

N/A
(Name of part, item number, Manufacturer's name and identifying stamp)

Constructed under the provisions of UG-90.3 (b). No safety device provided see UG-151. UG-20 (f) applies. Drawing# SFW1281 Rev.1 submitted for Canadian registration.



Optional 200-Gallon Receiver — Manufacturer's Data Report

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS

(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only)

As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1 Page 1 of 2

1. Manufactured and certified by **Samuel Pressure Vessel Group, 58 Samuel Way, Lebanon, Virginia, 24266, USA**
(Name and address of Manufacturer)

2. Manufactured for **McMaster Carr**
(Name and address of Purchaser)

3. Location of Installation **Unknown**
(Name and address)

4. Type **Vertical** **1137948 thru 1137957** **L4036.5C** **135671** **Rev.8** **1137948-1137957** **2025**
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (Year built)

5. ASME Code, Section VIII, Division 1 **2023/ N/A** **None** **None**
(Edition and Addenda, if applicable (date)) (Code Case numbers) (Special service per UG-120(d))

6. Shell: **SA414-G** **.200"** **None** **2' 6" (OD)** **4' 7.5"**
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) (Length (overall))

Body Flanges on Shells													
No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting				
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material	
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

7. Seams: **Type No. 1** **None** **70%** **N/A** **N/A** **Type No. 2** **None** **65%** **1**
(Long, (welded, dbl., singl., lap, butt)) (R.T. (spot or full)) (Eff., %) (H.T. temp) (Time, hr) (Girth, (welded, dbl., singl., lap, butt)) (R.T. (spot or full)) (Eff., %) (No. of courses)

8. Heads: (a) **SA414-G** (b) **SA414-G**
(Material spec. number, grade or type) (H.T. - time and temp.) (Material spec. number, grade or type) (H.T. - time and temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	TOP	.174"	None	N/A	N/A	2:1	N/A	N/A	N/A		X	S	None	85%
(b)	BOTTOM	.174"	None	N/A	N/A	2:1	N/A	N/A	N/A		X	S	None	85%

Body Flanges on Heads													
	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting				
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material	
(a)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A

9. MAWP **200 psi** **N/A** at max. temp. **400 °F** **N/A**
(Internal) (External) (Internal) (External)

Min. design metal temp. **-20 °F** at **200 psi** Hydro, pneu., or comb. test pressure **HYDRO. at 260 psi**

Proof test **N/A**

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
Inspection	2	2.000"	Threaded Fitting	SA181 CL70	N/A	UG-11(a)(1)	N/A	Inherent	FigUW16.2(c)	N/A	Shell
Unknown	1	1.000"	Threaded Fitting	SA181 CL70		UG-11(a)(1)		Inherent	FigUW16.2(c)		
Unknown	3	2.000"	Threaded Fitting	SA181 CL70		UG-11(a)(1)		Inherent	FigUW16.2(c)		
Unknown	1	1.500"	Threaded Fitting	SA181 CL70		UG-11(a)(1)		Inherent	FigUW16.2(c)		
Unknown	1	.500"	Threaded Fitting	SA181 CL70		UG-11(a)(1)		Inherent	FigUW16.2(c)		
Unknown	1	.250"	Threaded Fitting	SA181 CL70		UG-11(a)(1)		Inherent	FigUW16.2(c)		
Drain	1	1.500"	Threaded Fitting	SA181 CL70	N/A	UG-11(a)(1)	N/A	Inherent	FigUW16.2(c)	N/A	Head

11. Supports: Skirt **Yes** Lugs **0** Legs **0** Other **Name Plate** Attached **Head - Welded**
(Yes or no) (Number) (Number) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors, have been furnished for the following items of the report:

N/A
(Name of part, item number, Manufacturer's name and identifying stamp)

Constructed under the provision of UG-90 (c)(2). No safety device provided see UG-151. UG-20 (f) applies. Drawing# 620 Rev.1 submitted for Canadian registration.

Optional 200-Gallon Receiver — Engineering Drawing

SCHEDULE C-2

