

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Shop, Chamber, Completely Shop or Field Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by MODERN CUSTOM FABRICATION, INC. 2421 E. CALIFORNIA AVENUE, FRESNO, CA 93721
(Name and address of manufacturer)
2. Manufactured for US FILTER, 11711 READING ROAD, RED BLUFF, CA 96080
(Name and address of purchaser)
3. Location of installation UNKNOWN
(Name and address)
4. Type VERTICAL 160052301-1 --- 160052301 Rev. 2 161 2004
(Horiz. or vert. tank) (Mfg's. serial No.) (CRN) (Drawing No.) (Natl. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Rules, Section VIII, Division 1: 2001
(Year)
- to 2002 --- ---
Addenda (Date) (Code Case No.) (Special Service per UG-120 (d))
6. Shell SA516-70 .625" 0" 12'-0" O. D. 8'-0"
Mat'l. (Spec. No., Grade) Nom. Thickness (in.) (Corr. Allow. (in)) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams TYPE 1 SPOT 85% NONE --- TYPE 1 SPOT/NONE 1
Long (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr.) Girth (welded, Dbl., Sngl., Lap, Butt) (RT (Spot, Partial, or Full) (No. of Courses)
8. Heads (a) Mat'l. SA516-70 (b) Mat'l. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | TOP | .46" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |
| (b) | BOTTOM | .55" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |

If removable, bolts used (describe other fastenings) _____
(Mat'l. Spec. No., Gr., Size, No.)

9. MAWP 125 psi at max. temp. 150 °F
 Min. design metal temp. 32 °F 125 psi. Hydro, pneu., or comb. test pressure 165 psi.

10. Nozzles, inspection, and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diam. Or Size | Type | Material | Nominal Thickness | Reinforcement Material | How Attached | Location |
|--------------------------------|-----|---------------|-------------------|-----------|-------------------|------------------------|--------------|----------|
| INSPECTION | 1 | 14"X 18" | ELLIPTICAL MANWAY | SA106C | 1.00" | NONE | UW16.1(y-1) | TOP |
| INSPECTION | 1 | 14"X 18" | MANWAY LID | SA516-70 | .375" | NONE | BOLTED | TOP |
| INSPECTION | 1 | 20" | HINGED MANWAY | SA105 | CL. 150 | NONE | BOLTED | SHELL |
| INFLUENT | 1 | 8" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| INLET/OUTLET | 2 | 4" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| MISC | 1 | 3" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| SAMPLE/PRV | 4 | 2" | CL. 150 FLG. | SA53B-ERW | SCH 40 | NONE | UW16.1(d) | --- |

11. Supports: Skirt NO Lugs 2 Legs 4 Other --- Attached SHELL - WELDED
(Yes or No) (No.) (No.) (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: Bottom Head, M106290C, Top Head, M106320C, Steel Forming Inc. DBA Commercial Metal Forming, U
(Name of part, item number, Manufacturer's name and identifying stamp)

EXEMPT FROM IMPACT TESTING PER UG-20(f), Tank tested in vertical position. SAFETY VALVE BY OTHERS

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 33251 expires 4/25/05.
 Date 1/27/04 Co. name MODERN CUSTOM FABRICATION, INC Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by MODERN CUSTOM FABRICATION, INC. at Fresno, CA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT have inspected the component described in this Manufacturer's Data Report on 1-27-04 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 1-27-04 Signed [Signature] Commissions NB-7402 ANGLCA1238
(Authorized Inspector) (Natl. Board (incl. endorsements) State, Prov. and No.)

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

As Required by Provisions of the ASME Code Rules, Section VIII, Division 1

- 1. Manufactured and certified by MODERN CUSTOM FABRICATION, INC. 2421 E. CALIFORNIA AVE. FRESNO, CA 93721
(Name and address of Manufacturer)
 - 2. Manufactured for U.S. FILTER, 11711 READING ROAD, RED BLUFF, CA 96080
(Name and address of Purchaser)
 - 3. Location of installation UNKNOWN
(Name and address)
 - 4. Type: VERTICAL FILTER TANK 160052301-1
(Horz., vert. or sphere) (Tank, separator, heat ext., etc.) (Mfg's serial No.)
- 160052301 Rev. 2 161 2004
(CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)

Data Report
Item Number

Remarks

ITEM 10

SEPTA PIPES, 6", CL. 150 FLG., SA106B, SCH 120, NONE, UW16.1(d)

Certificate of Authorization: Type "U" No. 33251 Expires 4/25/05
Date 1/27/04 Name MODERN CUSTOM FABRICATION, INC. Signed [Signature]
(Manufacturer) (Representative)
Date 1-27-04 Name [Signature] Commission NB7402ANC/CA1238
(Authorized Inspector) (Nat'l Board include, Endorsement, State, Province and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Shop or Field Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

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(Name and address of manufacturer)
2. Manufactured for US FILTER, 11711 READING ROAD, RED BLUFF, CA 96080
(Name and address of purchaser)
3. Location of installation UNKNOWN
(Name and address)
4. Type VERTICAL 160052401-2 --- 160052401 Rev. 2 167 2004
(Horiz. or vert. tank) (Mfg's. serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Rules, Section VIII, Division 1: 2001
(Year)
- to 2002 --- ---
Addenda (Date) (Code Case No.) (Special Service per UG-120 (d))
6. Shell SA516-70 .625" 0" 12'-0" O. D. 8'-0"
Mat'l. (Spec. No., Grade) Nom. Thickness (in.) (Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams TYPE 1 SPOT 85% NONE --- TYPE 1 SPOT/NONE 1
Long (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr.) Girth (welded, Dbl., Sngl., Lap, Butt) (RT (Spot, Partial, or Full) (No. of Courses)
8. Heads (a) Mat'l. SA516-70 (b) Mat'l. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | TOP | .46" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |
| (b) | BOTTOM | .55" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |

If removable, bolts used (describe other fastenings) _____
(Mat'l. Spec. No., Gr., Size, No.)

9. MAWP 125 psi at max. temp. 150 °F
 Min. design metal temp. 32 °F 125 psi. Hydro, pneu., or comb. test pressure 165 psi.

10. Nozzles, inspection, and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diam. Or Size | Type | Material | Nominal Thickness | Reinforcement Material | How Attached | Location |
|--------------------------------|-----|---------------|-------------------|-----------|-------------------|------------------------|--------------|----------|
| INSPECTION | 1 | 14"X 18" | ELLIPTICAL MANWAY | SA106C | 1.00" | NONE | UW16.1(y-1) | TOP |
| INSPECTION | 1 | 14"X 18" | MANWAY LID | SA516-70 | .375" | NONE | BOLTED | TOP |
| INSPECTION | 1 | 20" | HINGED MANWAY | SA105 | CL. 150 | NONE | BOLTED | SHELL |
| INFLUENT | 1 | 8" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| INLET/OUTLET | 2 | 4" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| MISC | 1 | 3" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| SAMPLE/PRV | 4 | 2" | CL. 150 FLG. | SA53B-ERW | SCH 40 | NONE | UW16.1(d) | --- |

11. Supports: Skirt NO Lugs 2 Legs 4 Other --- Attached SHELL - WELDED
(Yes or No) (No.) (No.) (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: Bottom Head, M106290C, Top Head, M106320C, Steel Forming Inc. DBA Commercial Metal Forming, U
(Name of part, item number, Manufacturer's name and identifying stamp)

EXEMPT FROM IMPACT TESTING PER UG-20(f), Tank tested in vertical position, SAFETY VALVE BY OTHERS

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 33251 expires 4/25/05
 Date 2/5/04 Co. name MODERN CUSTOM FABRICATION, INC Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by MODERN CUSTOM FABRICATION, INC. at Fresno, CA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT have inspected the component described in this Manufacturer's Data Report on 2-19-04 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 2-18-04 Signed [Signature] Commissions NB 7902A-NC/CA1238
(Authorized Inspector) (Nat'l. Board (incl. endorsements) State, Prov. and T.S.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Shop, Chamber, Completely Shop or Field Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by MODERN CUSTOM FABRICATION, INC. 2421 E. CALIFORNIA AVENUE, FRESNO, CA 93721
(Name and address of manufacturer)
2. Manufactured for US FILTER, 11711 READING ROAD, RED BLUFF, CA 96080
(Name and address of purchaser)
3. Location of installation UNKNOWN
(Name and address)
4. Type VERTICAL 160052401-1 --- 160052401 Rev. 2 166 2004
(Horiz. or vert. tank) (Mfg'r's. serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Rules, Section VIII, Division 1: 2001
(Year)
- to 2002 --- ---
Addenda (Date) (Code Case No.) (Special Service per UG-120 (d))
6. Shell SA516-70 .625" 0" 12'-0" O. D. 8'-0"
Mat'l. (Spec. No., Grade) Nom. Thickness (in.) (Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams TYPE 1 SPOT 85% NONE --- TYPE 1 SPOT/NONE 1
Long (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr.) Girth (welded, Dbl., Sngl., Lap, Butt) (RT (Spot, Partial, or Full) (No. of Courses)
8. Heads (a) Mat'l. SA516-70 (b) Mat'l. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | TOP | .46" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |
| (b) | BOTTOM | .55" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |

If removable, bolts used (describe other fastenings) _____
(Mat'l. Spec. No., Gr., Size, No.)

9. MAWP 125 psi at max. temp. 150 °F
 Min. design metal temp. 32 °F 125 psi. Hydro, pneu., or comb. test pressure 165 psi.

10. Nozzles, inspection, and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diam. Or Size | Type | Material | Nominal Thickness | Reinforcement Material | How Attached | Location |
|--------------------------------|-----|---------------|-------------------|-----------|-------------------|------------------------|--------------|----------|
| INSPECTION | 1 | 14"X 18" | ELLIPTICAL MANWAY | SA106C | 1.00" | NONE | UW16.1(y-1) | TOP |
| INSPECTION | 1 | 14"X 18" | MANWAY LID | SA516-70 | .375" | NONE | BOLTED | TOP |
| INSPECTION | 1 | 20" | HINGED MANWAY | SA105 | CL. 150 | NONE | BOLTED | SHELL |
| INFLUENT | 1 | 8" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| INLET/OUTLET | 2 | 4" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| MISC | 1 | 3" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| SAMPLE/PRV | 4 | 2" | CL. 150 FLG. | SA53B-ERW | SCH 40 | NONE | UW16.1(d) | --- |

11. Supports: Skirt NO Lugs 2 Legs 4 Other --- Attached SHELL - WELDED
(Yes or No) (No.) (No.) (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: Bottom Head, M106290C, Top Head, M106320C, Steel Forming Inc. DBA Commercial Metal Forming, U
(Name of part, item number, Manufacturer's name and identifying stamp)

EXEMPT FROM IMPACT TESTING PER UG-20(f), Tank tested in vertical position. SAFETY VALVE BY OTHERS

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 33251 expires 4/25/05
 Date 2/15/04 Co. name MODERN CUSTOM FABRICATION, INC Signed [Signature] [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by MODERN CUSTOM FABRICATION, INC. at Fresno, CA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT have inspected the component described in this Manufacturer's Data Report on 2-18-04 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 2-18-04 Signed [Signature] Commissions NB7402-ANC/CA1238
(Authorized Inspector) (Nat'l. Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Shop, Chamber, Completely Shop or Field Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by MODERN CUSTOM FABRICATION, INC. 2421 E. CALIFORNIA AVENUE, FRESNO, CA 93721
(Name and address of manufacturer)
2. Manufactured for US FILTER, 11711 READING ROAD, RED BLUFF, CA 96080
(Name and address of purchaser)
3. Location of installation UNKNOWN
(Name and address)
4. Type VERTICAL 160052501-2 --- 160052501 Rev. 2 170 2004
(Horiz. or vert. tank) (Mfg's. serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Rules, Section VIII, Division 1: 2001
(Year)
- to 2002 --- ---
Addenda (Date) (Code Case No.) (Special Service per UG-120 (d))
6. Shell SA516-70 .625" 0" 12'-0" O. D. 8'-0"
Mat'l. (Spec. No., Grade) Nom. Thickness (in.) (Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams TYPE 1 SPOT 85% NONE --- TYPE 1 SPOT/NONE 1
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8. Heads (a) Mat'l. SA516-70 (b) Mat'l. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | TOP | .46" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |
| (b) | BOTTOM | .55" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |

If removable, bolts used (describe other fastenings) _____
(Mat'l. Spec. No., Gr., Size, No.)

9. MAWP 125 psi at max. temp. 150 °F
 Min. design metal temp. 32 °F 125 psi. Hydro, pneu., or comb. test pressure 165 psi.

10. Nozzles, inspection, and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diam. Or Size | Type | Material | Nominal Thickness | Reinforcement Material | How Attached | Location |
|--------------------------------|-----|---------------|-------------------|-----------|-------------------|------------------------|--------------|----------|
| INSPECTION | 1 | 14"X 18" | ELLIPTICAL MANWAY | SA106C | 1.00" | NONE | UW16.1(y-1) | TOP |
| INSPECTION | 1 | 14"X 18" | MANWAY LID | SA516-70 | .375" | NONE | BOLTED | TOP |
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| INFLUENT | 1 | 8" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
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| SAMPLE/PRV | 4 | 2" | CL. 150 FLG. | SA53B-ERW | SCH 40 | NONE | UW16.1(d) | --- |

11. Supports: Skirt NO Lugs 2 Legs 4 Other --- Attached SHELL - WELDED
(Yes or No) (No.) (No.) (Describe) (Where and How)

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EXEMPT FROM IMPACT TESTING PER UG-20(f) Tank tested in vertical position. SAFETY VALVE BY OTHERS

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We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 33251 expires 4/25/05.
 Date 2/18/04 Co. name MODERN CUSTOM FABRICATION, INC Signed _____
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by MODERN CUSTOM FABRICATION, INC. at Fresno, CA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT have inspected the component described in this Manufacturer's Data Report on 2-26-04 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 2-26-04 Signed _____ Commissions UB74024/UC/CA/28
(Authorized Inspector) (Nat'l. Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Shell and Head Chamber, Completely Shop or Field Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by MODERN CUSTOM FABRICATION, INC. 2421 E. CALIFORNIA AVENUE, FRESNO, CA 93721
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Mat'l. (Spec. No., Grade) Norm. Thickness (in.) (Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams TYPE 1 SPOT 85% NONE --- TYPE 1 SPOT/NONE 1
Long (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr.) Girth (welded, Dbl., Sngl., Lap, Butt) (RT (Spot, Partial, or Full) (No. of Courses)
8. Heads (a) Mat'l. SA516-70 (b) Mat'l. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
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If removable, bolts used (describe other fastenings) _____
(Mat'l Spec. No., Gr., Size, No.)

9. MAWP 125 psi at max. temp. 150 °F
 Min. design metal temp. 32 °F 125 psi. Hydro, pneu., or comb. test pressure 165 psi.

10. Nozzles, inspection, and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diam. Or Size | Type | Material | Nominal Thickness | Reinforcement Material | How Attached | Location |
|--------------------------------|-----|---------------|-------------------|-----------|-------------------|------------------------|--------------|----------|
| INSPECTION | 1 | 14"X 18" | ELLIPTICAL MANWAY | SA106C | 1.00" | NONE | UW16.1(y-1) | TOP |
| INSPECTION | 1 | 14"X 18" | MANWAY LID | SA516-70 | .375" | NONE | BOLTED | TOP |
| INSPECTION | 1 | 20" | HINGED MANWAY | SA105 | CL. 150 | NONE | BOLTED | SHELL |
| INFLUENT | 1 | 8" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| INLET/OUTLET | 2 | 4" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| MISC | 1 | 3" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| SAMPLE/PRV | 4 | 2" | CL. 150 FLG. | SA53B-ERW | SCH 40 | NONE | UW16.1(d) | --- |

11. Supports: Skirt NO Lugs 2 Legs 4 Other --- Attached SHELL - WELDED
(Yes or No) (No.) (No.) (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: Bottom Head, M106290C, Top Head, M106320C, Steel Forming Inc. DBA Commercial Metal Forming, U
(Name of part, item number. Manufacturer's name and identifying stamp)

EXEMPT FROM IMPACT TESTING PER UG-20(f), Tank tested in vertical position, SAFETY VALVE BY OTHERS

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 33251 expires 4/25/05.
 Date 2/18/04 Co. name MODERN CUSTOM FABRICATION, INC Signed _____
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by MODERN CUSTOM FABRICATION, INC. at Fresno, CA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT have inspected the component described in this Manufacturer's Data Report on 2-24-04 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 2-26-04 Signed _____ Commissions NB7402ANC/CA123B
(Authorized Inspector) (Natl. Board (incl. endorsements) State, Prov. and No.)

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 Code Rules, Section VIII, Division 1

1. Manufactured and certified by MODERN CUSTOM FABRICATION, INC. 2421 E. CALIFORNIA AVENUE, FRESNO, CA 93721
(Name and address of manufacturer)
2. Manufactured for US FILTER, 11711 READING ROAD, RED BLUFF, CA 96080
(Name and address of purchaser)
3. Location of installation UNKNOWN
(Name and address)
4. Type VERTICAL 160052601-1 --- 160052601 Rev. 2 173 2004
(Horiz. or vert. tank) (Mfg's. serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Rules, Section VIII, Division 1: 2001
(Year)
- to 2002 --- ---
Addenda (Date) (Code Case No.) (Special Service per UG-120 (d))
6. Shell SA516-70 .625" 0" 12'-0" O. D. 8'-0"
Mat'l. (Spec. No., Grade) Nom. Thickness (in.) (Corr. Allow. (in)) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams TYPE 1 SPOT 85% NONE --- TYPE 1 SPOT/NONE 1
Long (Welded, Obl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr.) Girth (welded, Obl., Sngl., Lap, Butt) (RT (Spot, Partial, or Full) (No. of Courses)
8. Heads (a) Mat'l. SA516-70 (b) Mat'l. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | TOP | .46" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |
| (b) | BOTTOM | .55" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |

If removable, bolts used (describe other fastenings) _____
(Mat'l Spec. No., Gr., Size, No.)

9. MAWP 125 psi at max. temp. 150 °F
 Min. design metal temp. 32 °F 125 psi. Hydro, pneu., or comb. test pressure 165 psi.

10. Nozzles, inspection, and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diam. Or Size | Type | Material | Nominal Thickness | Reinforcement Material | How Attached | Location |
|--------------------------------|-----|---------------|-------------------|-----------|-------------------|------------------------|--------------|----------|
| INSPECTION | 1 | 14"X 18" | ELLIPTICAL MANWAY | SA106C | 1.00" | NONE | UW16.1 (y-1) | TOP |
| INSPECTION | 1 | 14"X 18" | MANWAY LID | SA516-70 | .375" | NONE | BOLTED | TOP |
| INSPECTION | 1 | 20" | HINGED MANWAY | SA105 | CL. 150 | NONE | BOLTED | SHELL |
| INFLUENT | 1 | 8" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1 (d) | --- |
| INLET/OUTLET | 2 | 4" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1 (d) | --- |
| MISC | 1 | 3" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1 (d) | --- |
| SAMPLE/PRV | 4 | 2" | CL. 150 FLG. | SA53B-ERW | SCH 40 | NONE | UW16.1 (d) | --- |

11. Supports: Skirt NO Lugs 2 Legs 4 Other --- Attached SHELL - WELDED
(Yes or No) (No.) (No.) (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: Bottom Head, M106290C, Top Head, M106320C. Steel Forming Inc. DBA Commercial Metal Forming, U
(Name of part, item number, Manufacturer's name and identifying stamp)

EXEMPT FROM IMPACT TESTING PER UG-20(f), Tank tested in vertical position. SAFETY VALVE BY OTHERS

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 33251 expires 4/25/05.
 Date 3/10/04 Co. name MODERN CUSTOM FABRICATION, INC Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by MODERN CUSTOM FABRICATION, INC. at Fresno, CA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT have inspected the component described in this Manufacturer's Data Report on 2-11-04 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 3-11-04 Signed [Signature] Commissions NB7402ANU/CA1238
(Authorized Inspector) (Nat'l. Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Shop or Field Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by MODERN CUSTOM FABRICATION, INC. 2421 E. CALIFORNIA AVENUE, FRESNO, CA 93721
(Name and address of manufacturer)
2. Manufactured for US FILTER, 11711 READING ROAD, RED BLUFF, CA 96080
(Name and address of purchaser)
3. Location of installation UNKNOWN
(Name and address)
4. Type VERTICAL 160052601-2 --- 160052601 Rev. 2 174 2004
(Horiz. or vert. tank) (Mfg's. serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Rules, Section VIII, Division 1: 2001
(Year)
- to 2002 --- ---
Addenda (Date) (Code Case No.) (Special Service per UG-120 (d))
6. Shell SA516-70 .625" 0" 12'-0" O. D. 8'-0"
Mat'l. (Spec. No., Grade) Nom. Thickness (in.) (Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams TYPE 1 SPOT 85% NONE --- TYPE 1 SPOT/NONE 1
Long (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr.) Girth (welded, Dbl., Sngl., Lap, Butt) (RT (Spot, Partial, or Full) (No. of Courses)
8. Heads (a) Mat'l. SA516-70 (b) Mat'l. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | TOP | .46" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |
| (b) | BOTTOM | .55" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |

If removable, bolts used (describe other fastenings) _____
(Mat'l Spec. No., Gr., Size, No.)

9. MAWP 125 psi at max. temp. 150 °F
 Min. design metal temp. 32 °F 125 psi. Hydro, pneu., or comb. test pressure 165 psi.

10. Nozzles, inspection, and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diam. Or Size | Type | Material | Nominal Thickness | Reinforcement Material | How Attached | Location |
|--------------------------------|-----|---------------|-------------------|-----------|-------------------|------------------------|--------------|----------|
| INSPECTION | 1 | 14"X 18" | ELLIPTICAL MANWAY | SA106C | 1.00" | NONE | UW16.1(y-1) | TOP |
| INSPECTION | 1 | 14"X 18" | MANWAY LID | SA516-70 | .375" | NONE | BOLTED | TOP |
| INSPECTION | 1 | 20" | HINGED MANWAY | SA105 | CL. 150 | NONE | BOLTED | SHELL |
| INFLUENT | 1 | 8" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| INLET/OUTLET | 2 | 4" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| MISC | 1 | 3" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| SAMPLE/PRV | 4 | 2" | CL. 150 FLG. | SA53B-ERW | SCH 40 | NONE | UW16.1(d) | --- |

11. Supports: Skirt NO Lugs 2 Legs 4 Other --- Attached SHELL - WELDED
(Yes or No) (No.) (No.) (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: Bottom Head, M106290C, Top Head, M106320C, Steel Forming Inc. DBA Commercial Metal Forming, U
(Name of part, item number, Manufacturer's name and identifying stamp)

EXEMPT FROM IMPACT TESTING PER UG-20(f), Tank tested in vertical position. SAFETY VALVE BY OTHERS

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 33251 expires 4/25/05.
 Date 3/10/04 Co. name MODERN CUSTOM FABRICATION, INC Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by MODERN CUSTOM FABRICATION, INC. at Fresno, CA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT have inspected the component described in this Manufacturer's Data Report on 3-11-04 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 3-11-04 Signed [Signature] Commissions NB7402 AN/C/CA 1238
(Authorized Inspector) (Nat'l. Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Storage Chamber, Completely Shop or Field Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. **Manufactured and certified by** MODERN CUSTOM FABRICATION, INC. 2421 E. CALIFORNIA AVENUE, FRESNO, CA 93721
(Name and address of manufacturer)
2. **Manufactured for** US FILTER, 11711 READING ROAD, RED BLUFF, CA 96080
(Name and address of purchaser)
3. **Location of installation** UNKNOWN
(Name and address)
4. **Type** VERTICAL 160052701-1 --- 160052701 Rev. 2 175 2004
(Horiz. or vert. tank) (Mfg's. serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Rules, Section VIII, Division 1: 2001
(Year)
- to 2002 --- ---
Addenda (Date) (Code Case No.) (Special Service per UG-120 (d))
6. **Shell** SA516-70 625" 0" 12'-0" O.D. 8'-0"
Mat'l. (Spec. No., Grade) Norm. Thickness (in.) (Corr. Allow. (in)) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. **Seams** TYPE 1 SPOT 85% NONE --- TYPE 1 SPOT/NONE 1
Long (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr.) Girth (welded, Dbl., Sngl., Lap, Butt) (RT (Spot, Partial, or Full) (No. of Courses)
8. **Heads (a) Mat'l.** SA516-70 **(b) Mat'l.** SA516-70
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | TOP | .46" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |
| (b) | BOTTOM | .55" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |

If removable, bolts used (describe other fastenings) _____
(Mat'l. Spec. No., Gr., Size, No.)

9. **MAWP** 125 **psi** at max. temp. 150 **°F**
 Min. design metal temp. 32 **°F** 125 **psi**. Hydro, pneu., or comb. test pressure 165 **psi**.

10. **Nozzles, inspection, and safety valve openings:**

| Purpose (Inlet, Outlet, Drain) | No. | Diam. Or Size | Type | Material | Nominal Thickness | Reinforcement Material | How Attached | Location |
|--------------------------------|-----|---------------|-------------------|-----------|-------------------|------------------------|--------------|----------|
| INSPECTION | 1 | 14"X 18" | ELLIPTICAL MANWAY | SA106C | 1.00" | NONE | UW16.1(y-1) | TOP |
| INSPECTION | 1 | 14"X 18" | MANWAY LID | SA516-70 | .375" | NONE | BOLTED | TOP |
| INSPECTION | 1 | 20" | HINGED MANWAY | SA105 | CL. 150 | NONE | BOLTED | SHELL |
| INFLUENT | 1 | 8" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| INLET/OUTLET | 2 | 4" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| MISC | 1 | 3" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| SAMPLE/PRV | 4 | 2" | CL. 150 FLG. | SA53B-ERW | SCH 40 | NONE | UW16.1(d) | --- |

11. **Supports:** Skirt NO Lugs 2 Legs 4 Other --- Attached SHELL - WELDED
(Yes or No) (No.) (No.) (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: Bottom Head, M106290C, Top Head, M106320C, Steel Forming Inc. DBA Commercial Metal Forming, U
(Name of part, item number, Manufacturer's name and identifying stamp)

EXEMPT FROM IMPACT TESTING PER UG-20(f), Tank tested in vertical position, SAFETY VALVE BY OTHERS

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 33251 expires 4/25/05.
 Date 3/17/04 Co. name MODERN CUSTOM FABRICATION, INC Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by MODERN CUSTOM FABRICATION, INC. at Fresno, CA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT have inspected the component described in this Manufacturer's Data Report on 3-23-04 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 3-23-04 Signed [Signature] Commissions N37402AN/C/CA1238
(Authorized Inspector) (Nat'l. Board (incl. endorsements) State, Prov. and No.)

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative Form for Storage Chamber, Completely Shop or Field Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by MODERN CUSTOM FABRICATION, INC. 2421 E. CALIFORNIA AVENUE, FRESNO, CA 93721
(Name and address of manufacturer)
2. Manufactured for US FILTER, 11711 READING ROAD, RED BLUFF, CA 96080
(Name and address of purchaser)
3. Location of installation UNKNOWN
(Name and address)
4. Type VERTICAL 160052701-2 --- 160052701 Rev. 2 176 2004
(Horiz. or vert. tank) (Mfg'r's. serial No.) (CRN) (Drawing No.) (Natl. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Rules, Section VIII, Division 1: 2001
(Year)
- to 2002 --- ---
Addenda (Date) (Code Case No.) (Special Service per UG-120 (d))
6. Shell SA516-70 .625" 0" 12'-0" O. D. 8'-0"
Mat'l. (Spec. No., Grade) Nom. Thickness (in.) (Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams TYPE 1 SPOT 85% NONE --- TYPE 1 SPOT/NONE 1
Long (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr.) Girth (welded, Dbl., Sngl., Lap, Butt) (RT (Spot, Partial, or Full) (No. of Courses)
8. Heads (a) Mat'l. SA516-70 (b) Mat'l. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | TOP | .46" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |
| (b) | BOTTOM | .55" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |

If removable, bolts used (describe other fastenings) _____
(Mat'l. Spec. No., Gr., Size, No.)

9. MAWP 125 psi at max. temp. 150 °F
 Min. design metal temp. 32 °F 125 psi. Hydro, pneu., or comb. test pressure 165 psi.

10. Nozzles, inspection, and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diam. Or Size | Type | Material | Nominal Thickness | Reinforcement Material | How Attached | Location |
|--------------------------------|-----|---------------|-------------------|-----------|-------------------|------------------------|--------------|----------|
| INSPECTION | 1 | 14"X 18" | ELLIPTICAL MANWAY | SA106C | 1.00" | NONE | UW16.1(y-1) | TOP |
| INSPECTION | 1 | 14"X 18" | MANWAY LID | SA516-70 | .375" | NONE | BOLTED | TOP |
| INSPECTION | 1 | 20" | HINGED MANWAY | SA105 | CL. 150 | NONE | BOLTED | SHELL |
| INFLUENT | 1 | 8" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| INLET/OUTLET | 2 | 4" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| MISC | 1 | 3" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| SAMPLE/PRV | 4 | 2" | CL. 150 FLG. | SA53B-ERW | SCH 40 | NONE | UW16.1(d) | --- |

11. Supports: Skirt NO Lugs 2 Legs 4 Other --- Attached SHELL - WELDED
(Yes or No) (No.) (No.) (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: Bottom Head, M106290C, Top Head, M106320C, Steel Forming Inc. DBA Commercial Metal Forming, U
(Name of part, item number, Manufacturer's name and identifying stamp)

EXEMPT FROM IMPACT TESTING PER UG-20(f), Tank tested in vertical position. SAFETY VALVE BY OTHERS

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 33251 expires 4/25/05
 Date 3/17/04 Co. name MODERN CUSTOM FABRICATION, INC Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by MODERN CUSTOM FABRICATION, INC. at Fresno, CA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT have inspected the component described in this Manufacturer's Data Report on 3-23-04 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 3-23-04 Signed [Signature] Commissions NS 7402/CA 1238A
(Authorized Inspector) (Natl. Board (incl. endorsements) State, Prov. and No.)

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 Code Rules, Section VIII, Division 1

1. Manufactured and certified by MODERN CUSTOM FABRICATION, INC. 2421 E. CALIFORNIA AVENUE, FRESNO, CA 93721
(Name and address of manufacturer)
2. Manufactured for US FILTER, 11711 READING ROAD, RED BLUFF, CA 96080
(Name and address of purchaser)
3. Location of installation UNKNOWN
(Name and address)
4. Type VERTICAL 160052801-1 --- 160052801 Rev. 2 177 2004
(Horiz. or vert. tank) (Mfg's. serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Rules, Section VIII, Division 1: 2001
(Year)
- to 2002 --- ---
Addenda (Date) (Code Case No.) (Special Service per UG-120 (d))
6. Shell SA516-70 .625" 0" 12'-0" O. D. 8'-0"
Mat'l. (Spec. No., Grade) (Nom. Thickness (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))
7. Seams TYPE 1 SPOT 85% NONE --- TYPE 1 SPOT/NONE 1
Long (Welded, Dbl., Sngl., Lap, Butt) (R.T. (Spot or Full)) (Eff. (%) (H.T. Temp. (°F)) (Time (hr.)) (Girth (welded, Dbl., Sngl., Lap, Butt) (RT (Spot, Partial, or Full)) (No. of Courses)
8. Heads (a) Mat'l. SA516-70 (b) Mat'l. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | TOP | .46" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |
| (b) | BOTTOM | .55" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |

If removable, bolts used (describe other fastenings) _____
(Mat'l. Spec. No., Gr., Size, No.)

9. MAWP 125 psi at max. temp. 150 °F
 Min. design metal temp. 32 °F 125 psi. Hydro, pneu., or comb. test pressure 165 psi.

10. Nozzles, inspection, and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diam. Or Size | Type | Material | Nominal Thickness | Reinforcement Material | How Attached | Location |
|--------------------------------|-----|---------------|-------------------|-----------|-------------------|------------------------|--------------|----------|
| INSPECTION | 1 | 14"X 18" | ELLIPTICAL MANWAY | SA106C | 1.00" | NONE | UW16.1(y-1) | TOP |
| INSPECTION | 1 | 14"X 18" | MANWAY LID | SA516-70 | .375" | NONE | BOLTED | TOP |
| INSPECTION | 1 | 20" | HINGED MANWAY | SA105 | CL. 150 | NONE | BOLTED | SHELL |
| INFLUENT | 1 | 8" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| INLET/OUTLET | 2 | 4" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| MISC | 1 | 3" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| SAMPLE/PRV | 4 | 2" | CL. 150 FLG. | SA53B-ERW | SCH 40 | NONE | UW16.1(d) | --- |

11. Supports: Skirt NO Lugs 2 Legs 4 Other --- Attached SHELL - WELDED
(Yes or No) (No.) (No.) (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: Bottom Head, M106290C, Top Head, M106320C, Steel Forming Inc. DBA Commercial Metal Forming, U
(Name of part, item number, Manufacturer's name and identifying stamp)

EXEMPT FROM IMPACT TESTING PER UG-20(f), Tank tested in vertical position. SAFETY VALVE BY OTHERS

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 33251 expires 4/25/05.
 Date 3/25/04 Co. name MODERN CUSTOM FABRICATION, INC Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by MODERN CUSTOM FABRICATION, INC. at Fresno, CA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT have inspected the component described in this Manufacturer's Data Report on 3-25-04 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 3-25-04 Signed [Signature] Commissions NB1402ANC/CA1238
(Authorized Inspector) (Nat'l. Board (incl. endorsements) State, Prov. and No.)

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 Code Rules, Section VIII, Division 1

1. Manufactured and certified by MODERN CUSTOM FABRICATION, INC. 2421 E. CALIFORNIA AVENUE, FRESNO, CA 93721
(Name and address of manufacturer)
2. Manufactured for US FILTER, 11711 READING ROAD, RED BLUFF, CA 96080
(Name and address of purchaser)
3. Location of installation UNKNOWN
(Name and address)
4. Type VERTICAL 160052801-2 --- 160052801 Rev. 2 178 2004
(Horiz. or vert. tank) (Mfr's. serial No.) (CRN) (Drawing No.) (Natl. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Rules, Section VIII, Division 1: 2001
(Year)
- to 2002 --- ---
Addenda (Date) (Code Case No.) (Special Service per UG-120 (d))
6. Shell SA516-70 .625" 0" 12'-0" O. D. 8'-0"
Mat'l. (Spec. No., Grade) Nom. Thickness (in.) (Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams TYPE 1 SPOT 85% NONE --- TYPE 1 SPOT/NONE 1
Long (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr.) Girth (welded, Dbl., Sngl., Lap, Butt) (RT (Spot, Partial, or Full) (No. of Courses)
8. Heads (a) Mat'l. SA516-70 (b) Mat'l. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | TOP | .46" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |
| (b) | BOTTOM | .55" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |

- If removable, bolts used (describe other fastenings) _____
(Mat'l. Spec. No., Gr., Size, No.)
9. MAWP 125 psi at max. temp. 150 °F
 Min. design metal temp. 32 °F 125 psi. Hydro, pneu., or comb. test pressure 165 psi.

10. Nozzles, inspection, and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diam. Or Size | Type | Material | Nominal Thickness | Reinforcement Material | How Attached | Location |
|--------------------------------|-----|---------------|-------------------|-----------|-------------------|------------------------|--------------|----------|
| INSPECTION | 1 | 14"X 18" | ELLIPTICAL MANWAY | SA106C | 1.00" | NONE | UW16.1(y-1) | TOP |
| INSPECTION | 1 | 14"X 18" | MANWAY LID | SA516-70 | .375" | NONE | BOLTED | TOP |
| INSPECTION | 1 | 20" | HINGED MANWAY | SA105 | CL. 150 | NONE | BOLTED | SHELL |
| INFLUENT | 1 | 8" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| INLET/OUTLET | 2 | 4" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| MISC | 1 | 3" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| SAMPLE/PRV | 4 | 2" | CL. 150 FLG. | SA53B-ERW | SCH 40 | NONE | UW16.1(d) | --- |

11. Supports: Skirt NO Lugs 2 Legs 4 Other --- Attached SHELL - WELDED
(Yes or No) (No.) (No.) (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: Bottom Head, M106290C, Top Head, M106320C, Steel Forming Inc. DBA Commercial Metal Forming, U
(Name of part, item number, Manufacturer's name and identifying stamp)

EXEMPT FROM IMPACT TESTING PER UG-20(f), Tank tested in vertical position, SAFETY VALVE BY OTHERS

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 33251 expires 4/25/05
 Date 3/25/04 Co. name MODERN CUSTOM FABRICATION, INC Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by MODERN CUSTOM FABRICATION, INC. at Fresno, CA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT have inspected the component described in this Manufacturer's Data Report on 3-25-04 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 3-25-04 Signed [Signature] Commissions NB7402AN/CA1238
(Authorized Inspector) (Natl. Board (incl. endorsements) State, Prov. and No.)

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 Code Rules, Section VIII, Division 1

1. Manufactured and certified by MODERN CUSTOM FABRICATION, INC. 2421 E. CALIFORNIA AVENUE, FRESNO, CA 93721
(Name and address of manufacturer)
2. Manufactured for US FILTER, 11711 READING ROAD, RED BLUFF, CA 96080
(Name and address of purchaser)
3. Location of installation UNKNOWN
(Name and address)
4. Type VERTICAL 160052901-1 --- 160052901 Rev. 2 179 2004
(Horiz. or vert. tank) (Mfg'r's. serial No.) (CRN) (Drawing No.) (Natl. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Rules, Section VIII, Division 1: 2001
(Year)
- to 2002 --- ---
Addenda (Date) (Code Case No.) (Special Service per UG-120 (d))
6. Shell SA516-70 .625" 0" 12'-0" O. D. 8'-0"
Mat'l. (Spec. No., Grade) Nom. Thickness (in.) (Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams TYPE 1 SPOT 85% NONE --- TYPE 1 SPOT/NONE 1
Long (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr.) Girth (welded, Dbl., Sngl., Lap, Butt) (RT (Spot, Partial, or Full) (No. of Courses)
8. Heads (a) Mat'l. SA516-70 (b) Mat'l. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | TOP | .46" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |
| (b) | BOTTOM | .55" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |

If removable, bolts used (describe other fastenings) _____
(Mat'l. Spec. No., Gr., Size, No.)

9. MAWP 125 psi at max. temp. 150 °F
 Min. design metal temp. 32 °F 125 psi. Hydro, pneu., or comb. test pressure 165 psi.

10. Nozzles, inspection, and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diam. Or Size | Type | Material | Nominal Thickness | Reinforcement Material | How Attached | Location |
|--------------------------------|-----|---------------|-------------------|-----------|-------------------|------------------------|--------------|----------|
| INSPECTION | 1 | 14"X 18" | ELLIPTICAL MANWAY | SA106C | 1.00" | NONE | UW16.1(y-1) | TOP |
| INSPECTION | 1 | 14"X 18" | MANWAY LID | SA516-70 | .375" | NONE | BOLTED | TOP |
| INSPECTION | 1 | 20" | HINGED MANWAY | SA105 | CL. 150 | NONE | BOLTED | SHELL |
| INFLUENT | 1 | 8" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| INLET/OUTLET | 2 | 4" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| MISC | 1 | 3" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| SAMPLE/PRV | 4 | 2" | CL. 150 FLG. | SA53B-ERW | SCH 40 | NONE | UW16.1(d) | --- |

11. Supports: Skirt NO Lugs 2 Legs 4 Other --- Attached SHELL - WELDED
(Yes or No) (No.) (No.) (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: Bottom Head, M106290C, Top Head, M106320C, Steel Forming Inc. DBA Commercial Metal Forming, U
(Name of part, item number. Manufacturer's name and identifying stamp)

EXEMPT FROM IMPACT TESTING PER UG-20(f), Tank tested in vertical position. SAFETY VALVE BY OTHERS

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 33251 expires 4/25/05.
 Date 3/25/04 Co. name MODERN CUSTOM FABRICATION, INC Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by MODERN CUSTOM FABRICATION, INC. at Fresno, CA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB CT have inspected the component described in this Manufacturer's Data Report on 3-25-04 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 3-25-04 Signed [Signature] Commissions NB7402 ANVCAR238
(Authorized Inspector) (Natl. Board (incl. endorsements) State, Prov. and No.)

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 Code Rules, Section VIII, Division 1

1. Manufactured and certified by MODERN CUSTOM FABRICATION, INC. 2421 E. CALIFORNIA AVENUE, FRESNO, CA 93721
(Name and address of manufacturer)
2. Manufactured for US FILTER, 11711 READING ROAD, RED BLUFF, CA 96080
(Name and address of purchaser)
3. Location of installation UNKNOWN
(Name and address)
4. Type VERTICAL 160052901-2 --- 160052901 Rev. 2 180 2004
(Horiz. or vert. tank) (Mfr's. serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction and workmanship conform to ASME Rules, Section VIII, Division 1: 2001
(Year)
- to 2002 --- ---
Addenda (Date) (Code Case No.) (Special Service per UG-120 (d))
6. Shell SA516-70 .625" 0" 12'-0" O. D. 8'-0"
Mat'l. (Spec. No., Grade) Nom. Thickness (in.) (Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams TYPE 1 SPOT 85% NONE --- TYPE 1 SPOT/NONE 1
Long (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr.) Girth (welded, Dbl., Sngl., Lap, Butt) (RT (Spot, Partial, or Full) (No. of Courses)
8. Heads (a) Mat'l. SA516-70 (b) Mat'l. SA516-70
(Spec. No., Grade) (Spec. No., Grade)

| | Location (Top, Bottom, Ends) | Minimum Thickness | Corrosion Allowance | Crown Radius | Knuckle Radius | Elliptical Ratio | Conical Apex Angle | Hemispherical Radius | Flat Diameter | Side to Pressure (Convex or Concave) |
|-----|------------------------------|-------------------|---------------------|--------------|----------------|------------------|--------------------|----------------------|---------------|--------------------------------------|
| (a) | TOP | .46" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |
| (b) | BOTTOM | .55" | 0" | --- | --- | 2:1 | --- | --- | --- | CONCAVE |

If removable, bolts used (describe other fastenings) _____
(Mat'l. Spec. No., Gr., Size, No.)

9. MAWP 125 psi at max. temp. 150 °F
 Min. design metal temp. 32 °F 125 psi. Hydro, pneu., or comb. test pressure 165 psi.

10. Nozzles, inspection, and safety valve openings:

| Purpose (Inlet, Outlet, Drain) | No. | Diam. Or Size | Type | Material | Nominal Thickness | Reinforcement Material | How Attached | Location |
|--------------------------------|-----|---------------|-------------------|-----------|-------------------|------------------------|--------------|----------|
| INSPECTION | 1 | 14"X 18" | ELLIPTICAL MANWAY | SA106C | 1.00" | NONE | UW16.1(y-1) | TOP |
| INSPECTION | 1 | 14"X 18" | MANWAY LID | SA516-70 | .375" | NONE | BOLTED | TOP |
| INSPECTION | 1 | 20" | HINGED MANWAY | SA105 | CL. 150 | NONE | BOLTED | SHELL |
| INFLUENT | 1 | 8" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| INLET/OUTLET | 2 | 4" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| MISC | 1 | 3" | CL. 150 FLG. | SA53B-ERW | SCH 40 | SA516-70 | UW16.1(d) | --- |
| SAMPLE/PRV | 4 | 2" | CL. 150 FLG. | SA53B-ERW | SCH 40 | NONE | UW16.1(d) | --- |

11. Supports: Skirt NO Lugs 2 Legs 4 Other --- Attached SHELL - WELDED
(Yes or No) (No.) (No.) (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: Bottom Head, M106290C, Top Head, M106320C, Steel Forming Inc. DBA Commercial Metal Forming, U
(Name of part, item number, Manufacturer's name and identifying stamp)

EXEMPT FROM IMPACT TESTING PER UG-20(f), Tank tested in vertical position, SAFETY VALVE BY OTHERS

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 33251 expires 4/25/05
 Date 3/25/04 Co. name MODERN CUSTOM FABRICATION, INC Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by MODERN CUSTOM FABRICATION, INC. at Fresno, CA
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State of California and employed by HSB CT have inspected the component described in this Manufacturer's Data Report on 3-25-04 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 3-25-04 Signed [Signature] Commissions NB 7402ANC/CA1238
(Authorized Inspector) (Nat'l. Board (incl. endorsements) State, Prov. and No.)

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET

As Required by the Provisions of the ASME Code Rules, Section VII, Division 1

- 1. Manufactured and certified by MODERN CUSTOM FABRICATION, INC. 2421 E. CALIFORNIA AVE. FRESNO, CA 93721
(Name and address of Manufacturer)
- 2. Manufactured for U.S. FILTER, 11711 READING ROAD, RED BLUFF, CA 96080
(Name and address of Purchaser)
- 3. Location of installation UNKNOWN
(Name and address)
- 4. Type: VERTICAL FILTER TANK 160052901-2
(Horz., vert. or sphere) (Tank, separator, heat ext., etc.) (Mfg's serial No.)
--- 160052901 Rev. 2 180 2004
(CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)

Data Report
Item Number

Remarks

ITEM 10

SEPTA PIPES, 6", CL. 150 FLG., SA106B, SCH 120, NONE, UW16.1(d)

Certificate of Authorization: Type "U" No. 33251 Expires 4/25/05
Date 3/25/04 Name MODERN CUSTOM FABRICATION, INC. Signed [Signature]
(Manufacturer) (Representative)
Date 3-25-04 Name B. P. Reed Commission NSI 402 ANC / CA1238
(Authorized Inspector) (Nat'l Board include, Endorsement, State, Province and)