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Q/JB THB011 钢板深冲式溶解乙炔气瓶

DOT-8AL/TC-8WAM Acetylene Cylinder

| 型号 Type | 直径 Diameter (mm) | 容积 Water capacity V(L) | 气瓶高度(不含阀) Height (Without valve) L(mm) | 重量 Weight W(kg) | 瓶体设计壁厚 Design Wall Thickness S(mm) | 充装压力(15℃) Filling pressure (MPa) |
|------------|---------------------|---------------------------|---|--------------------|---------------------------------------|-------------------------------------|
| MC10 | 101.6 | 2 | 340 | 3.6 | 1.8 | 1.56 |
| B40 | 152.4 | 7.6 | 504 | 11.3 | 2.3 | |
| A75 | 177.8 | 14 | 648 | 20.5 | 2.5 | |
| A145 | 209.6 | 25 | 870 | 34.9 | 2.7 | |
| A250 | 254 | 43 | 966 | 53.1 | 3.3 | |

GB11638 溶解乙炔气瓶

Acetylene Cylinder

| 型号 Type | 直径 Inside Diameter (mm) | 容积 Water capacity V(L) | 高度 Height L(mm) | 重量 Weight W(kg) | 名义壁厚 Nominal Wall Thickness S(mm) | 充装压力 Filling pressure (MPa) |
|-------------|----------------------------|---------------------------|--------------------|--------------------|--------------------------------------|--------------------------------|
| RYL250-40 | 250 | 40 | 1042 | 40.3 | 4 | 1.56 |
| RYL235-35 | 235 | 35 | 1020 | 38 | 4 | |
| RYL235-20 | | 20 | 675 | 24 | 4 | |
| RYL200-12.5 | 200 | 12.5 | 645 | 12.8 | 3 | |
| RYL220-12.5 | 215 | 12.5 | 550 | 12.8 | 3.5 | |
| RYA140-7 | 140 | 7 | 730 | 14 | 4.5 | |

GB5100 焊接气瓶

Welded Cylinder

| 型号 Type | 直径 Inside Diameter(mm) | 容积 Water capacity V(L) | 充液量 Filling gas capacity (kg) | 高度 Height L(mm) | 重量 Weight W(kg) | 工作压力 Service pressure(MPa) | 试验压力 Test pressure(MPa) | 介质 Filling medium | 瓶体材料 Material |
|----------------|---------------------------|---------------------------|----------------------------------|--------------------|--------------------|-------------------------------|----------------------------|----------------------------------|------------------|
| HJL250-40 | 250 | 40 | 16 | 1040 | 27 | 1.0 | 1.5 | 低压液化气体 | HP295 |
| | | | | | | 2.0 | 3.0 | | |
| | | | | | | 3.0 | 4.5 | | |
| HJL250-40-2.5 | 250 | 40 | 16 | 1040 | 27 | 2.5 | 3.8 | 丙烯 C ₃ H ₆ | HP325 |
| HJL250-40-2.2 | | | | | | 2.2 | 3.3 | 丙烷 C ₃ H ₈ | |
| HJL314-72-2.5 | 314 | 72 | 30 | 1166 | 37.4 | 2.5 | 3.8 | 丙烯 C ₃ H ₆ | HP325 |
| HJL314-72-2.2 | | | 29 | | | | | 2.2 | |
| HJL314-50-3.0 | 314 | 50 | 50 | 833 | 42.4 | 3.0 | 4.5 | 二氟氯甲烷 F-22 | HP295 |
| HJL314-60-3.0 | | 60 | 60 | 1013 | 46.5 | | | | |
| HJL314-70-3.0 | | 70 | 70 | 1143 | 50.9 | | | | |
| HJW350-105-3.0 | 350 | 105 | 55 | 1380 | 88 | 3.0 | 4.5 | 液氨 NH ₃ | HP345 或 16MnR |
| HJL350-100-2.0 | | 100 | 125 | 1330 | 80 | 2.0 | 3.0 | 液氯 Cl ₂ | |

气瓶集束装置

The Cylinder Bundle of Gas Storage

| 放置方式 Bundle | - | 卧式 horizontal bundle | | 立式 vertical bundle | |
|--|--------|----------------------|-----------------|--|----------------|
| 产品型号 Model | - | FJTW1-18-279/80 | FJTW2-27-279/80 | FJL2-12-229/50 | FJL5-12-267/58 |
| 充装介质 Filling Gas | - | CNG | | CNG, O ₂ , N ₂ , H ₂ , Ar | |
| 气瓶规格 Cylinder Specification | mm/L | Φ279/80 | | Φ229/50 | Φ267/58 |
| 气瓶数量 Cylinder Quantity | pcs(只) | 18 | 27 | 12 | |
| 气瓶总容积 Total Volume of The Cylinders | L | 1440 | 2160 | 600 | 696 |
| 集束装置总质量 Tare Weight of The Bundle | kg | 2500 | 3560 | 965 | 1037 |
| 集束装置长度 Length of The Bundle | mm | 2220 | 2210 | 1030 | 1180 |
| 集束装置宽度 Width of The Bundle | mm | 1606 | 1896 | 790 | 913 |
| 集束装置高度 Height of The Bundle | mm | 1340 | 1600 | 1770 | 1730 |

DOT-8AL 标准板冲式无石棉填料乙炔瓶

| 型号 | 直径(mm) | 容积(L) | 气瓶高度(mm) | 重量(kg) | 瓶体设计壁厚 | 冲装压力 |
|--------|----------|-------|----------|--------|--------|-----------------------|
| D | 外径 158 | 6.3 | 445 | 10.4 | 2.2 | 1.56Mpa 在 15° C 度时 |
| D-size | 外径 160 | 7.5 | 495 | 12 | 2.3 | |
| E-size | 外径 209.6 | 22 | 770 | 28.4 | 2.6 | |
| G-size | 外径 310 | 49.4 | 795 | 61.5 | 3.4 | |
| A310 | 外径 304.8 | 53.8 | 838 | 63 | 3.4 | 1.72Mpa 在 21° C 度时 |
| A125 | 外径 209.6 | 22 | 780 | 28.5 | 2.6 | |
| A210 | 外径 254 | 38 | 834 | 40.2 | 3.3 | |

ISO3807-1、ISO9809-1 无缝乙炔瓶

| 型号 | 直径(mm) | 容积(L) | 气瓶高度(mm) | 重量(kg) | 瓶体设计壁厚 | 冲装压力 |
|-------------|--------|-------|----------|--------|--------|--|
| 229×4.0-40L | 外径 229 | 40 | 1200 | 53.3 | 4.0 | 1.72Mpa 在 21° C 度时 1.56Mpa 在 15° C 度时 |

中国船级社 (CCS) 认证消防用钢质焊接气瓶

| 型号 | 直径(mm) | 容积(L) | 气瓶高度(mm) | 重量(kg) | 工作压力 | 试验压力 | 充装介质 | 材料 |
|----------------|--------|-------|----------|--------|---------|---------|---------------------|-------|
| HJL350-70-5.6 | 内径 350 | 70 | 940 | 69 | 5.6 MPa | 8.4 MPa | 七氟丙烷 或三氟一 溴甲烷 | HP345 |
| HJL350-80-5.6 | | 80 | 1040 | 76 | | | | |
| HJL350-90-5.6 | | 90 | 1150 | 84 | | | | |
| HJL350-100-5.6 | | 100 | 1255 | 91 | | | | |
| HJL350-120-5.6 | | 120 | 1455 | 106 | | | | |
| HJL350-130-5.6 | | 130 | 1560 | 114 | | | | |
| HJL400-70-5.6 | 内径 400 | 106 | 1025 | 95.1 | 5.6 MPa | 8.4 MPa | 七氟丙烷 或三氟一 溴甲烷 | HP345 |
| HJL400-80-5.6 | | 120 | 1149 | 104.8 | | | | |
| HJL400-90-5.6 | | 147 | 1365 | 122.1 | | | | |
| HJL400-100-5.6 | | 150 | 1390 | 123.6 | | | | |
| HJL400-120-5.6 | | 170 | 1540 | 136.2 | | | | |
| HJL400-130-5.6 | | 180 | 1625 | 143 | | | | |

DOT-4BW 消防用钢质焊接气瓶

| 型号 | 直径(mm) | 容积(L) | 气瓶高度(mm) | 重量(kg) | 工作压力 | 试验压力 | 充装介质 | 材料 |
|---------------|--------|-------|----------|--------|---------|---------|------|-------|
| DOT324-00 | 外径 324 | 81 | 1183 | 63 | 3.45MPa | 6.9 MPa | 七氟丙烷 | HP345 |
| 4BW350-80L-00 | 内径 350 | 80 | 985 | 57 | | | | |
| 4BW400-00 | 内径 400 | 120 | 1118 | 78.6 | | | | |
| | | 150 | 1353 | 92.6 | | | | |
| DOT406-00 | 外径 406 | 142 | 1314 | 101 | | | | |
| DOT406-00A | 外径 406 | 106 | 977 | 67 | | | | |
| | | 147 | 1312 | 87 | | | | |
| | | 180 | 1582 | 97 | | | | |
| DOT500-00 | 外径 500 | 240 | 1437 | 152 | | | | |
| DOT559-00 | 外径 559 | 245.8 | 1230 | 152 | | | | |

储气式集束瓶组 Clustered cylinders for gas storage

| 产品型号 Model | - | 卧式 | | | | 立式 | | | |
|---|--------|--------------------|--------------------|-------------------|------------------|---|-------------------|-------------------|--|
| | | JPW279S-18-20/80 | JPW279S-27-20/80 | JPW279S-6-20/80 | JPL219A-12-15/40 | JPL229S-12-25/45 | JPL267A-12-15/58 | JPL229A-12-20/50 | |
| 充装介质 Filling gas | - | CNG 等永久气体 | | | | CNG, O ₂ , N ₂ , Ar, He 等永久气体 | | | |
| 公称工作压力 Nominal working pressure | MPa | 20 | 20 | 20 | 15 | 25 | 15 | 20 | |
| 气瓶规格 Cylinder specification | - | φ 279/80 | φ 279/80 | φ 279/80 | φ 219/40 | φ 229/45 | φ 267/58 | φ 229/50 | |
| 气瓶数量 Cylinder quantity | pcs(只) | 18 | 27 | 6 | 12 | 12 | 12 | 12 | |
| 气瓶总容积 Total volume of the bundle | L | 1440 | 2160 | 480 | 480 | 540 | 696 | 600 | |
| 集束瓶组总质量 Tare weight of the bundle | mm | 2500 | 3560 | 880 | 800 | 1200 | 1030 | 965 | |
| 集束瓶组尺寸 (长×宽×高) Dimension of the bundle (Length×Width×Height) | mm | 2220×1606 ×1340 | 2210×1896 ×1600 | 1880×648 ×1445 | 760×988 ×1600 | 809×1025 ×1720 | 913×1180 ×1730 | 1030×790 ×1770 | |

蓄能器壳体 Accumulator Shell

| 容积 Water capacity Gal. (L) | 外径 Outside diameter D0(mm) | 长度 Length L(mm) | 重量 Weight W(kg) | 设计壁厚 Design wall thickness(mm) | 工作压力 Service pressure | 试验压力 Test pressure | 材料 Material | 标准 Standard |
|-------------------------------|-------------------------------|--------------------|--------------------|-----------------------------------|--------------------------|-----------------------|----------------|----------------|
| 1 | 181 | 290 | 19 | 14.8 | 5000 psi | 7500 psi | 34CrMo4 | ASME |
| 10L | 229 | 408 | 26 | 9.4 | 3000 psi | 4500 psi | | |
| 20L | | 699 | 43 | | | | | |
| 30L | | 1225 | 75 | | | | | |
| 1 (3.7) | | 280 | 19 | | | | | |
| 2.5 (10) | | 394 | 25 | 9.5 | | | | |
| 5 (20) | | 699 | 42 | | | | | |
| 10 (37) | | 1225 | 74 | | | | | |
| 11 (42) | | 1381 | 82 | | | | | |
| 14 (54) | | 1740 | 103 | | | | | |
| 15 (57) | | 1828 | 108 | 11.4 | | | | |
| 2.5 (10) | | 394 | 30 | | | | | |
| 5 (20) | | 699 | 50 | | | | | |

蓄能器壳体 Accumulator Shell

| 容积 Water capacity (GAL(L)) | 外径 Outside diameter (DO)(mm) | 长度 Length L(mm) | 重量 Weight W(kg) | 设计壁厚 Design wall thickness(mm) | 工作压力 Service pressure | 试验压力 Test pressure | 材料 Material | 标准 Standard | |
|-------------------------------|---------------------------------|--------------------|--------------------|-----------------------------------|--------------------------|-----------------------|----------------|----------------|----------|
| 10 (37) | 229 | 1232 | 85 | 11.4 | 3000 psi | 4500 psi | 34CrMo4 | ASME | |
| 11 (42) | | 1372 | 100 | | | | | | |
| 14 (54) | | 1750 | 122 | | | | | | |
| 15 (57) | | 1830 | 127 | | | | | | |
| 12.5 | | 1676 | 118 | | | | | | |
| 2.5 (10) | | 410 | 30 | 10.1 | 3600 psi | 5400 psi | | | |
| 5 (20) | | 715 | 51 | | | | | | |
| 10 (37) | | 1230 | 83 | | | | | | |
| 11 (42) | | 1370 | 92 | | | | | | |
| 15 (57) | | 1830 | 120 | | | | | | |
| 2.5 (10) | | 410 | 30 | | | | | | |
| 5 (20) | | 715 | 51 | | | | | | |
| 10 (37) | | 1230 | 83 | | | | | | |
| 11 (42) | | 1370 | 92 | | | | | | |
| 15 (57) | | 1830 | 120 | | | | | | |
| | | | | | | 3750 psi | | | 5625 psi |

蓄能器壳体 Accumulator Shell

| 容积 Water capacity (GAL(L)) | 外径 Outside diameter (DO)(mm) | 长度 Length L(mm) | 重量 Weight W(kg) | 设计壁厚 Design wall thickness(mm) | 工作压力 Service pressure | 试验压力 Test pressure | 材料 Material | 标准 Standard |
|-------------------------------|---------------------------------|--------------------|--------------------|-----------------------------------|--------------------------|-----------------------|----------------|----------------|
| 1 L | 114 | 195 | 5 | 6.3 | 330 bar | 495 bar | 34CrMo4 | AD-2000 |
| 2.5L | | 400 | 8 | | | | | |
| 5L | | 743 | 14.5 | | | | | |
| 1 L | | 185 | 3.9 | 6.2 | 350 bar | 500 bar | | |
| 1.5L | | 241 | 5.2 | | | | | |
| 2.5L | | 394 | 7.9 | | | | | |
| 3.0L | | 426 | 9.2 | | | | | |
| 5L | | 743 | 14.5 | | | | | |
| 4L | 168 | 283 | 13 | 8.0 | 330 bar | 495 bar | | |
| 6L | | 400 | 16 | | | | | |
| 10L | | 676 | 26 | | | | | |
| 4L | | 283 | 13 | | | | | |
| 6L | | 400 | 16 | | 345bar | 493bar | | |
| 10L | | 676 | 26 | | | | | |
| 6L | | 400 | 16 | | | | | |
| 10L | | 676 | 26 | | | | | |
| 4L | | 268 | 11.5 | 8.33 | 350 bar | 500 bar | | |
| 5L | | 333 | 13.8 | | | | | |
| 6L | | 397.5 | 16.1 | | | | | |
| 10L | | 662.5 | 25.6 | | | | | |
| 4L | | 268 | 11.5 | | | | 9.0 | |

| 容积 Water capacity GAL(L) | 外径 Outside diameter DO(mm) | 长度 Length L(mm) | 重量 Weight W(kg) | 设计壁厚 Design wall thickness(mm) | 工作压力 Service pressure | 试验压力 Test pressure | 材料 Material | 标准 Standard | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|-------------------------------|--------------------|--------------------|-----------------------------------|--------------------------|-----------------------|----------------|----------------|---------|---------|---------|---------|-----|---------|---------|---------|---------|---------|---------|---------|-----|-----|----|-----|-----|----|-----|-----|----|-------|-----|----|-----|-----|----|-----|--------|----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|-----|----|--------|--------|-----|-----|-----|----|-------|---------|---------|---------|---------|-----|-----|----|-----|-----|----|-----|-----|----|-----|------|----|-----|------|-----|-----|------|-----|----|------|-----|----|------|-----|---------|-----|-----|----|------|---------|---------|---------|---------|-------|-----|----|--------|------|----|--------|------|-----|--------|------|-----|--------|------|-----|-----|-----|----|--------|--------|-----|-----|----|-----|-----|----|-----|-----|----|-----|------|----|-----|------|-----|-----|-----|----|------|---------|---------|-----|-----|----|-----|-----|----|-------|-----|----|-----|--------|-----|-----|--------|-----|-----|-----|----|------|---------|---------|-----|-----|----|-----|-----|----|-------|-----|----|-----|------|
| 6L | 168 | 397.5 | 16.1 | 9.0 | 350 bar | 500 bar | 34CrMo4 | AD-2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10L | | 662.5 | 25.6 | | | | | | 10L | 223 | 375 | 33 | 9.5 | 330 bar | 472 bar | 34CrMo4 | AD-2000 | 12L | 475 | 41 | 15L | 555 | 48 | 20L | 685 | 56 | 24L | 820 | 66 | 24.5L | 847 | 66 | 25L | 880 | 70 | 32L | 1207.5 | 94 | 35L | 1230 | 102 | 50L | 1725 | 132 | 57L | 1813 | 139 | 63L | 2100 | 160 | 75L | 2280 | 173 | 28L | 980 | 60 | 360bar | 515bar | 10L | 226 | 410 | 30 | 10.25 | 330 bar | 495 bar | 34CrMo4 | AD-2000 | 13L | 525 | 34 | 20L | 715 | 49 | 24L | 880 | 56 | 32L | 1230 | 81 | 42L | 1368 | 100 | 50L | 1740 | 109 | 54 | 1830 | 118 | 64 | 2138 | 124 | 2.5(10) | 229 | 400 | 30 | 11.3 | 350 bar | 500 bar | 34CrMo4 | AD-2000 | 5(20) | 710 | 50 | 10(32) | 1245 | 85 | 11(42) | 1375 | 100 | 14(50) | 1750 | 122 | 15(57) | 1830 | 127 | 10L | 406 | 34 | 400bar | 600bar | 13L | 505 | 38 | 20L | 715 | 52 | 24L | 880 | 60 | 32L | 1230 | 85 | 50L | 1740 | 110 | 10L | 375 | 35 | 11.4 | 380 bar | 544 bar | 12L | 475 | 44 | 20L | 685 | 61 | 24.5L | 820 | 73 | 32L | 1207.5 | 105 | 42L | 1347.5 | 117 | 10L | 375 | 41 | 12.7 | 480 bar | 687 bar | 12L | 475 | 51 | 20L | 685 | 72 | 24.5L | 820 | 85 | 32L | 1208 |
| 10L | 223 | 375 | 33 | 9.5 | 330 bar | 472 bar | | | 34CrMo4 | | AD-2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12L | | 475 | 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15L | | 555 | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20L | | 685 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24L | | 820 | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24.5L | | 847 | 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25L | | 880 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32L | | 1207.5 | 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 35L | | 1230 | 102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50L | | 1725 | 132 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 57L | | 1813 | 139 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63L | | 2100 | 160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75L | | 2280 | 173 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28L | | 980 | 60 | | | | | | | 360bar | | 515bar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10L | 226 | 410 | 30 | 10.25 | 330 bar | 495 bar | | | | 34CrMo4 | | AD-2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13L | | 525 | 34 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20L | | 715 | 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24L | | 880 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32L | | 1230 | 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42L | | 1368 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50L | | 1740 | 109 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54 | | 1830 | 118 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | | 2138 | 124 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.5(10) | | 229 | 400 | | | | | | | | | | 30 | 11.3 | 350 bar | | | 500 bar | 34CrMo4 | AD-2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5(20) | 710 | | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10(32) | 1245 | | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11(42) | 1375 | | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14(50) | 1750 | | 122 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15(57) | 1830 | | 127 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10L | 406 | | 34 | 400bar | 600bar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13L | 505 | | 38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20L | 715 | | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24L | 880 | | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32L | 1230 | | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50L | 1740 | | 110 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10L | 375 | | 35 | | | 11.4 | 380 bar | 544 bar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12L | 475 | | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20L | 685 | | 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24.5L | 820 | | 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32L | 1207.5 | | 105 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42L | 1347.5 | | 117 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10L | 375 | | 41 | 12.7 | 480 bar | 687 bar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12L | 475 | | 51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20L | 685 | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24.5L | 820 | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32L | 1208 | 124 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50L | 1723 | 175 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |