

# 水素ステーション用蓄圧器ラインアップ

## Lineup of pressure vessels for Hydrogen stations

|                                    | 超耐久仕様Type1<br>Ultra durability | 高耐久仕様Type1<br>High durability                        | 低コスト仕様Type1<br>Low cost  | 超低コスト高耐久仕様Type1<br>Ultra Low cost and durable | Type2                       |
|------------------------------------|--------------------------------|--|--------------------------|---|-----------------------------|
| 設計係数<br>Design margin              | 4.0                            | 3.0  | 2.4                      | 2.4   | <2.4                        |
| ボディ外径×全長<br>Outside dia.×Length    | Φ480mm×L5,060mm                | Φ420mm×L4,890mm                                      | Φ374mm×L5,330mm          | Φ406mm×L4,300mm                               | About Φ400mm×L2,800~4,000mm |
| 材質<br>Material                     | ASME SA723M steel              | ASME SA723M steel                                    | Cr-Mo steel              | Cr-Mo steel                                   | Cr-Mo steel / CFRP          |
| 設計圧力<br>Design pressure            | 99~115 MPa                     | 99~115 MPa   | 99 MPa                   | 95 MPa  | 99 MPa                      |
| 年数制限<br>Durable years              | No limit                       | No limit   | No limit                 | No limit                                      | 15 years                    |
| 現行申請回数<br>Applied Fatigue life     | 100K* <sup>1</sup> cycle       | 100K* <sup>1</sup> cycle<br>200K* <sup>2</sup> cycle | 100K* <sup>1</sup> cycle | Over 300K cycle (TBD)                         | 100K cycle (TBD)            |
| 使用可能回数<br>Usable Fatigue life      | No limit* <sup>1</sup>         | 300K* <sup>1</sup> cycle                             | 490K* <sup>1</sup> cycle | Over 300K cycle (TBD)                         | 100K cycle (TBD)            |
| 運転圧力範囲<br>Operating pressure range | 35~82 MPa                      | 35~82 MPa  | 50~82 MPa                | 50~82 MPa                                     | 50~82 MPa                   |
| 容量<br>Volume                       | 300L* <sup>3</sup>             | 300L* <sup>3</sup>                                   | 300 L                    | 300 L   | 200~300 L                   |
| 重量<br>Weight                       | 4,720 Kg                       | 2,900 Kg   | 2,350 Kg                 | 1,800 Kg                                      | About 800~1200 Kg (TBD)     |
| 上市<br>On sale                      | 2013 on sale                   | 2014 on sale   | 2017 on sale             | 2019 on sale                                  | to be on sale               |

\*1: 運転圧力範囲で使用した場合の回数  
Usable fatigue life assumed in case of operating pressure range

\*2: 運転圧力45-82MPaの場合  
In case of operating pressure range 45-82MPa

\*3: 形状,容量はカスタマイズ可能  
Size and Volume are customizable

