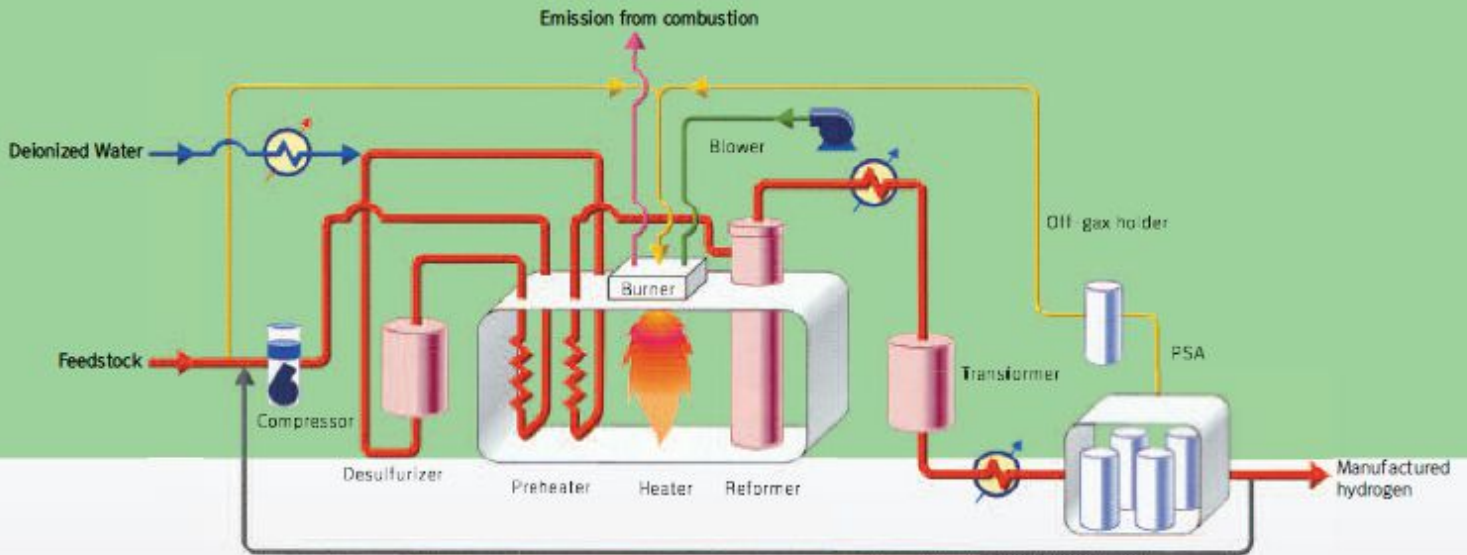


H₂ CAR FILLING STATION

Hydrogen station is an ideal solution for production of high-purity hydrogen and filling fuel cell vehicles with high-pressure hydrogen compressed and stored at a pressure of 40Mpa up to 70Mpa.

- Fluids : Naphtha, NG, and LPG
- Capacity : 30 ~300 Nm³/hr
Charging consecutively 5 FCV on a daily basis



- Project : Hydrogen Station at Yonsei University (2007)
- Capacity : 30 Nm³/hr
- Description : Generate hydrogen by 30 Nm³/hr per hour.
Installed on-site hydrogen production system.



EQUIPMENTS

1. 용기내면 처리기 : 혼합가스 용기 내면 처리장비
2. 압력용기류 : chamber, 탈취탑등 제작
3. Gas mixer : 혼합가스 제조
4. 용기내압시험기 : 용기 재검사 장비제작
5. 독성가스용 중화조

1. Cylinder internal shot-blast equipment : for mixture gas cylinder
2. Pressure cylinders : manufacturing chamber, deodorization chamber etc.
3. Gas mixer : manufacturing mixture gases
4. Cylinder pneumatic tester : manufacturing cylinder re-inspection equipments
5. Scrubber for poison gases



MICROBULK SYSTEM

EQUIPMENTS

1. Rugged steel frame with galvanised base
2. Highly efficient super insulation
3. Ergonomically placed long stem valves
4. High flow rates
5. TPED approved "PI" marked 1000 litre option available
6. Combined pressure regulator with economiser function
7. Convenient handling by fork lift, mobile crane, chain pulley or over head crane
8. Corrosion free valve identification tags
9. Civil foundation not essential as units can be placed on level surfaces

SPECIFICATION

| Code | EN / ADM | ASME |
|-----------------|-------------------------------------|----------------------|
| Capacity | 1000-3000 litres | 260-800 USG |
| Tank mawp | 18 / 24 / 38 kg/cm ² (g) | 256 / 341 / 537 psig |
| Withdrawal rate | Upto 120 Nm ³ /hr | Upto 4500 SCFH |

