

Abstark

Maintenance dan pengujian *Vavle* tabung 3 kg dengan menggunakan alat uji tester pada PT. Pertamina *maintenance and construction* di Tasikmalaya. Pengujian valve Gas LPG di harapkan dapat memberikan pencegahan kebocoran dan kebakaran pada rumah sehingga memberikan rasa aman tanpa perlu rasa risau ketika meninggalkan rumah. Pengujian dilakukan pengujian visual, Uji Ketahanan dan Pneumatik, Uji Konstruksi uji yang dilakukan menurut SNI 1591:2008. pengambilan sampel dilakukan pada katup tabung yang telah digunakan dan sudah beredar di masyarakat sebanyak 30 buah tabung gas. Pengujian Visual telah dilakukan terhadap 30 sampel katup tabung baja gas 3 Kg yang telah diambil secara acak. Setelah diamati ternyata untuk retakan tidak ditemukan disemua sampel dan kesesuaian uji visual terhadap SIN 1591:2008 mendapatkan hasil Sesuai 30 *valve* dan persentase 100%, tidak sesuai dengan jumlah 0 dan persentase 0, jumlah dari pengujian 30 sampel. persentase 100%. Uji konstruksi ini mencakup data pengukuran dimensi mulut katup tabung LPG 3Kg dengan jumlah 30 dan kesesuaian 6 persentase 20%, tidak sesuai 24 persentase 80%. Pengujian Pneumatik dengan tekanan 10 Kg/cm². sesuai dengan alat dan prosedur pemeliharaan tabung gas 3 Kg . Hasil dari pengujian leak test 30 sampel yang ada didapati 3 katup atau setara dengan 10 % mengalami kebocoran setelah ditekan selama 30 detik. Sedangkan data hasil uji valve test yang diuji dengan tekanan 270 Psi didapati hanya dua buah katup atau setara dengan 6.66 % yang mengalami kebocoran.

Kata Kunci : Valve Tester, Pneumatik, Uji Valve Tes.

Abstract

Maintenance and testing of 3 kg Vavle tubes using a tester at PT. Pertamina maintenance and construction in Tasikmalaya. It is hoped that LPG gas valve testing can prevent leaks and fires in the house, thereby providing a sense of security without having to worry when leaving the house. Tests were carried out by visual tests, durability and pneumatic tests, construction tests carried out according to SNI 1591:2008. Sampling was carried out on cylinder valves that had been used and were circulating in the community as many as 30 gas cylinders. Visual testing was carried out on 30 samples of 3 Kg steel gas cylinder valves which were taken at random. After observing it, it turned out that cracks were not found in all samples and the visual test conformity to SIN 1591:2008 obtained results according to 30 valves and a percentage of 100%, not in accordance with the number of 0 and percentage of 0, the total of 30 samples tested. percentage 100%. This construction test includes measurement data on the dimensions of the valve mouth of a 3Kg LPG cylinder with a total of 30 and suitability of 6 percentages of 20%, non-conformance of 24 percentages of 80%. Pneumatic testing with a pressure of 10 Kg/cm². in accordance with the tools and maintenance procedures for 3 Kg gas cylinders. The results of the leak test of 30 samples found that 3 valves or the equivalent of 10% experienced leaks after being pressed for 30 seconds. Meanwhile, data from the valve test results which were tested with a pressure of 270 Psi found that only two valves or the equivalent of 6.66% experienced leaks.

Keywords: Valve Tester, Pneumatics, Valve Test.