**HYDRAULIC INSTALLATION TEST PROCEDURE-ITP**

 HCAA-023 NATURAL GAS SYSTEM

V2021.01 - April 2021

**GENERAL NOTES:** *This form is to be used by* ***the hydraulic contractor*** *for the purposes of testing the Plumbing Installation. Completion of all applicable sections is mandatory. This form must be submitted to the sites project manager and hydraulic certifier/consultant within 10 business days of testing the service.*

***Notes:*** *This series of Installation Test Procedures have been designed to assist the Plumbing Contractor to carry out suitable testing during a project. Each set of procedures details an industry accepted, list of objectives, that the Plumbing Contractor should carry out to fulfil their commission. The series of procedures will offer the client security in the knowledge that the objectives identified have been based on an Industry standard, endorsed by the HCAA (National), which represents the Professional Industry of Hydraulic Services Consultants.*

|  |  |  |  |
| --- | --- | --- | --- |
| Project: |  | Project Number: |  |
| Prepared By: |  | **Report Date:** |  |
| Date of Test/Inspection: |  | **Drawing Revision:** |  |
| Plumbing Company: |  | **Builder / Company:** |  |
| Plumbers Name: |  | **Builders name:** |  |
| Plumbers license number: |  | **Builders license number:** |  |
| Equipment |
| Pressure Test Kit  |  | Bubble Leak Detector |  |
| Manometer  |  |  |  |

The hydraulic services elements of the Project have been tested in accordance with:

|  |  |
| --- | --- |
| Number | Title  |
| NCC Volume 1 | Building Code of Australia 2019 |
| PCA 2019  | Plumbing Code of Australia 2019 |
| AS/NZS 5601.1 2013 | Plumbing and Drainage -Part 2: Sanitary plumbing and drainage |

|  |  |
| --- | --- |
| Comments/Remarks/Action: |  |
| Plumbers Declaration | I hereby state that that the information provided in this form is a true and accurate record. |
| **Signature:** | **Date:** |
| Builders Declaration | I hereby state that that the information provided in this form is a true and accurate record. |
| **Signature:** | **Date:** |

|  |  |  |
| --- | --- | --- |
| Description: | Yes | No |
| Installation conforms with AS/NZS 5601.1 2013 and manufacturers guidelines |  |  |
| Pressure Testing at - 7kpa or 1.5 x the working pressure(whichever is the greater) for not less than 30mins |  |  |
| Gas runs and fittings square and true / installed in tradesmen like manner |  |  |
| Pipe sizes match the design drawings |  |  |
| Dimensions from plan checked and pipework runs match design drawings |  |  |
| Installation according to SWMS |  |  |
| Suitable pipework supports/brackets have been installed at the correct distances  |  |  |
| Compliant Separation from other services has been provided  |  |  |
| Allowance for expansion provided where required |  |  |
| Mixers and 19bp’s square and true |  |  |
| Sleeving and acoustic treatment where required |  |  |
| Inspection by authority if required |  |  |
| Fire rating of walls, floors, photographic evidence |  |  |
| Test hold point witnessed |  |  |
| Pipes and fittings adequately protected for duration of construction |  |  |
| Removal of rubbish |  |  |
| Validate pressure drop within the system against the design |  |  |
| Validate pressure does not exceed the design requirements |  |  |
| Validate pressure is not less that the design requirements |  |  |
| Validate the over pressure shut off regulator setting and validate against the design |  |  |
| BMCS OUTPUTS |
| Gas Meter Validation data |  |  |