Test Report Number: **REP/AW/0077**

10/11/2015	Sesto San Giovanni (MI)
Data Emissione - Issuing date	*Luogo Emissione - Issuing place*

Verifica della conformità al capitolato prove di KIDS P.A. S.r.l secondo EN 12266-1:2012
Scopo delle prove - Scope

KIDS Pipe Accessories S.r.l.	PIS - 46.802/15
Organizzazione - Company/Manufacturer	*Commessa - Job no.*

29/10/2015
Data test - Test date

Valvole industriali
Oggetto dei test - Test object

Laboratorio aziendale di Raci S.r.l.
Laboratorio - Testing Lab

-
Laboratorio Accreditato - Accreditation Testing Lab

Via dell'Industria, 11/13 - 26010 Casaletto Vaprio (CR) - IT
Testing location

Bronze Full Port Ball Valve PN25 - DN50
Rif. Campione/Modello/Tipo – Sample/Model/Type reference

INDICE - *INDEX*

ICIM S.p.A.
Ispettore Area Prodotto-Energia
Product-Energy Area Inspector
Ing. Paolo Bonetti

ICIM S.p.A.
Responsabile Area Prodotto-Energia
Product-Energy Area Manager
Ing. Massimiliano Florio

1.0 RIFERIMENTI NORMATIVI - *NORMATIVE REFERENCE*

1.1	EN 12266-1:2012	Valvole industriali - Prove di valvole metalliche - Prove in pressione, procedimenti di prova e criteri di accettazione - Requisiti obbligatori *Industrial valves - Testing of metallic valves, Part 1: Pressure tests, test procedures and acceptance criteria - Mandatory requirements"*

2.0 APPARATO DI PROVA - *TEST APPARATUS*

Strumentazione di Misura - *Measuring Equipment*:

1. Manometro n°112, range 0-40 bar, accuratezza classe 1 WIKA S.N. 013431434
   Pressure gauge no. 112, range 0-40 bar, accurancy class 1 WIKA S.N. 013431434

2. Manometro n°138, range 0-60 bar, accuratezza classe 1 WIKA S.N. 1104962490
   Pressure gauge no. 138, range 0-60 bar, accurancy class 1 WIKA S.N. 1104962490

3. Manometro n°149, range 0-100 bar, accuratezza classe 1 WIKA S.N. 8970085T
   Pressure gauge no. 149, range 0-100 bar, accurancy class 1 WIKA S.N. 8970085T

3.0 DESCRIZIONE PRODOTTO - *PRODUCT DESCRIPTION*

3.1 Denominazione - *Denomination*	Bronze Full Port Ball Valve PN25 - DN50	
3.2 Campionamento - *Sample identification*	SAMPLING FORM No. SC150917SUBASH P 01	SAMPLING DATE 17/09/2015

4.0 PROVE- *TESTS*

1	**Shell Test** All valves shall undergo a Shell (Body) test following the procedure specified in BS EN12266 of 1.5 x maximum working pressure at ambient temperature. The test duration shall be a minimum of: • 15 seconds for sizes up 2" or DN50; • 60 seconds for sizes DN65 to DN150; • 120 seconds for sizes DN200 to DN300
2	**Seat Test** All valves (except 'Y' pattern strainers) shall undergo a Seat test following the procedure specified in BS EN12266 of 1.1 x maximum working pressure at ambient temperature. The test duration shall be a minimum of: • 15 seconds for sizes up 2" or DN50; • 60 seconds for sizes DN65 to DN150; • 120 seconds for sizes DN200 to DN300 For gate and ball valves each seat (2 off), upstream and downstream shall be tested. Butterfly valves, check valves and fixed orifice double regulating valves have only one seat and should be tested accordingly.
3	**Acceptance Criteria** Shell test — there shall be no visually detectable leakage from any external surface including body joints, stem sealing, hinge pin plugs (check valves) or from pressure test points (fixed orifice double regulating valves only). Seat test — there shall be no visually detectable leakage for the duration of the test — Rate A For metal seated check valves (KBCK20) Rate B seat leakage is allowable — 0.1 x DN mm3/s

General conditions

- The valves shall be tested in the sampled condition, painted or coated where applicable
- The test fluid shall be water
- The closure of the valve shall be carried out with the manual operating hand wheel or lever where applicable.

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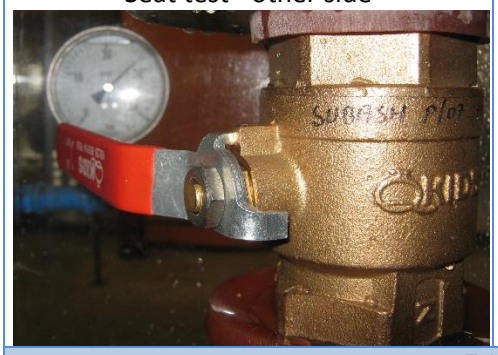
ICIM SpA a socio unico
Piazza Don Enrico Mapelli, 75 - 20099 Sesto San Giovanni (MI) - Tel. +39 02 725341 Fax +39 02 72002098 - www.icim.it - info@icim.it Capitale sociale € 260.000,00 int. versato ed esistente - C.F./P.IVA e Iscriz. Reg. Imprese di Milano n. 12908230159 – R.E.A. n. 1596292

Modello - *Model*	KBL25 Size: 2”
Campione - *Sampling ID*	SUBASH P /07 17/09/2015

TYPE TEST	PRESSURE	RESULTS
Shell Test 	37,5 bar 	No Visually Detectable Leakage
Esito - *Issue* ■ **Positive** ☐ **Negative** ☐ **Not Verified** ☐ **Not Applicable**		
Seat test - one side 	27,5 bar 	No Visually Detectable Leakage – Rate A
Esito - *Issue* ■ **Positive** ☐ **Negative** ☐ **Not Verified** ☐ **Not Applicable**		
Seat test - other side 	27,5 bar 	No Visually Detectable Leakage – Rate A
Esito - *Issue* ■ **Positive** ☐ **Negative** ☐ **Not Verified** ☐ **Not Applicable**		
Note - *Notes:*		

Ispettore Prodotto-Energia *Product-Energy Inspector*	Ing. Paolo Bonetti	Responsabile Prodotto-Energia *Product-Energy Manager*	Ing. Massimiliano Florio

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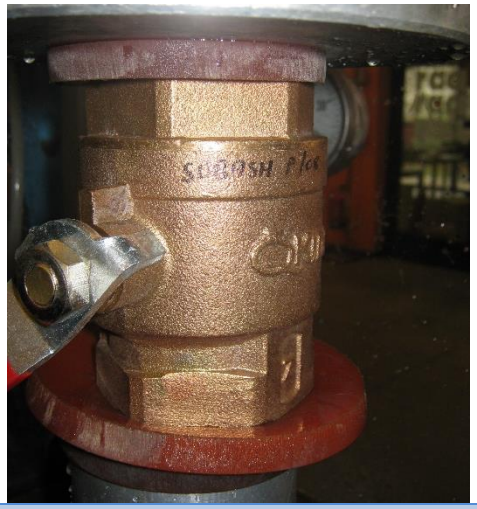
Modello - *Model*	KBL25 Size: 2”
Campione - *Sampling ID*	SUBASH P /08 17/09/2015

TYPE TEST	PRESSURE	RESULTS
Shell Test 	37,5 bar 	No Visually Detectable Leakage
Esito - *Issue* ■ **Positive** ☐ **Negative** ☐ **Not Verified** ☐ **Not Applicable**		
Seat test - one side 	27,5 bar 	No Visually Detectable Leakage – Rate A
Esito - *Issue* ■ **Positive** ☐ **Negative** ☐ **Not Verified** ☐ **Not Applicable**		
Seat test - other side 	27,5 bar 	No Visually Detectable Leakage – Rate A
Esito - *Issue* ■ **Positive** ☐ **Negative** ☐ **Not Verified** ☐ **Not Applicable**		
Note - *Notes:*		

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5.0 VALUTAZIONI FINALI - *FINAL EVALUATIONS*

		Risultati - *Results*
5.1	PROVE - *TESTS*	Positivo *Positive*

Note:
This inspection has been carried out to the best of our knowledge & our responsibility is limited to the exercise of reasonable care.
This inspection report reflects our findings at the time & place of inspection. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

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