

Test Report Number: **REP/AW/0089**

10/11/2015

Data Emissione - Issuing date

Sesto San Giovanni (MI)

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.

Organizzazione - Company/Manufacturer

PIS - 46.802/15

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

Ductile Iron Semi Lugged Butterfly Valve PN16 - DN300

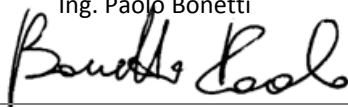
Rif. Campione/Modello/Tipo - Sample/Model/Type reference

INDICE - INDEX

- 1.0 Riferimenti normativi - *Normative reference*
- 2.0 Apparato di prova - *Test apparatus*
- 3.0 Descrizione prodotto - *Product description*
- 4.0 Prove - *Tests*
- 5.0 Valutazioni finali - *Final Evaluations*

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 <i>Industrial valves - Testing of metallic valves, Part 1: Pressure tests, test procedures and acceptance criteria - Mandatory requirements"</i>
-----	-----------------	---

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	Ductile Iron Semi Lugged Butterfly Valve PN16 - DN300	
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: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • 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 mm ³ /s





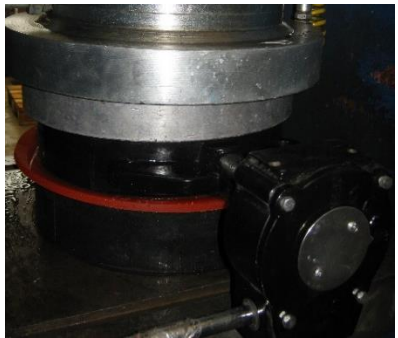

General conditions

- 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.

Ispettore Prodotto-Energia <i>Product-Energy Inspector</i>	Ing. Paolo Bonetti 	Responsabile Prodotto-Energia <i>Product-Energy Manager</i>	Ing. Massimiliano Florio 
---	---	--	---

Modello - Model		KBFV16W, Size 12"		
Campione - Sampling ID		SUBASH P /31 17/09/2015		
TYPE TEST		PRESSURE		RESULTS
Shell Test		24 bar		No Visually Detectable Leakage
				
Esito - Issue		<input checked="" type="checkbox"/> Positive	<input type="checkbox"/> Negative	<input type="checkbox"/> Not Verified <input type="checkbox"/> Not Applicable
Seat test - one side		17,6 bar		No Visually Detectable Leakage – Rate A
				
Esito - Issue		<input checked="" type="checkbox"/> Positive	<input type="checkbox"/> Negative	<input type="checkbox"/> Not Verified <input type="checkbox"/> Not Applicable
Seat test - other side		17,6 bar		No Visually Detectable Leakage – Rate A
				
Esito - Issue		<input checked="" type="checkbox"/> Positive	<input type="checkbox"/> Negative	<input type="checkbox"/> Not Verified <input type="checkbox"/> Not Applicable
Note - Notes:				

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



Modello - Model		KBFV16W, Size 12"		
Campione - Sampling ID		SUBASH P /32 17/09/2015		
TYPE TEST	PRESSURE	RESULTS		
Shell Test 	24 bar 	No Visually Detectable Leakage		
Esito - Issue		Positive	Negative	Not Verified
Seat test - one side 	17,6 bar 	No Visually Detectable Leakage – Rate A		
Esito - Issue		Positive	Negative	Not Verified
Seat test - other side 	17,6 bar 	No Visually Detectable Leakage – Rate A		
Esito - Issue		Positive	Negative	Not Verified
Note - Notes:				

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.

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