

EUROPEAN CASTING INDUSTRY SRL

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

BR 432 (BRONZE GLOBE VALVE) STOP VALVES: ½" TO 2" BSP (F) INLET/OUTLET

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

June 2026

Certificate No.

2106001



EUROPEAN CASTING INDUSTRY SRL

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

BR520 GATE VALVES

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

October 2025

Certificate No.

2010406



EUROPEAN CASTING INDUSTRIES S.R.L

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

BR525 STOP GATE VALVE

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

December 2025

Certificate No.

2012010



EUROPEAN CASTING INDUSTRY SRL

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

BR825 DOUBLE REGULATING VALVES

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

January 2027

Certificate No.

2201815



EUROPEAN CASTING INDUSTRIES ECI S.R.L

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

BR118 SPHERICAL VALVES

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

November 2025

Certificate No.

2011810



EUROPEAN CASTING INDUSTRIES S.R.L

has had the undermentioned product(s) examined, tested and certified as being of an appropriate quality and standard as required in the Water Supply (Water Fittings) Regulations and Scottish Water Byelaws, subject to scheme requirements being met when installed.

Model Numbers

BR220 Y'-PATTERNED STRAINERS

The certificate by itself is not evidence of a valid WRAS Approval. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wras.co.uk/directory)

The product so mentioned will be valid until the end of:

August 2025

Certificate No.

2008812



European Casting Industry Srl WARRANTY CERTIFICATE

1 Year Warranty on ECI Products (This is a Limited Warranty)

that inspection takes place and the product is found to be defective. This warranty is conditioned on the purchaser's any manufacturing defects in materials, on condition that they are installed and used in correctly according to discovery of the defect This is to certify that the valves and other products have a guarantee of 1 year from the date of shipment against immediate written letter to ECI SrI or sole distributors of ECI in the region where the products are sold upon the instructions issued by ECI Srl. Any defective materials will be replaced by the manufacturer free of charge provided

employees or without consent from ECI Srl. This Warranty will not be applicable in case of products modified, adjusted, repaired and altered by non ECI

European Casting Industry Srl Via D'Azeglio 57 40123 Bologna BO, Italy





No.: BR118-DN15

Dept.	Metalwo	ork Worksho	op Insp	ection Date	May 1 st 2020 Brand		ECI
Description	Bronze	Bronze Ball Valve		lodel No.	BR118	Size	1/2"
Qty for Inspection	22	43 sets	Ir	Qty for spection	2243Sets	Pressure Rating	2.5MPa
Details of		Standard F	Requireme	ent	Pass	nspection Sta Failed	tus Results
Inpection	N. (A				Pass	ralled	Results
Up seal Test	Not Availal	ole 					
Body	1	ulic test 3.75 es and dama		15s, without			
Seal Test	Air te		keep 15s,	without any			
Seal Face quality	Degre	e of roughne	ess Ra≤1.6µ	ım.			
Thread	BSPT	1/2"					
Disc Position	Check that	disc is clear	of the wate	erway			
Open & Stop	Flexib	e,no binding	ı		2243	0	OK
Dimension	d	L	Н	D			
(mm)	Ф14	53	44	Ф95			
Handwheel	Not A	/ailable					
Appearance \ Marking \ Package	1/2	rance: Finis ECI PN25 rom oil, wate		afely			
Results	Inspec	eting according	ng to ISO7		Issue date:	May 1 st 2020)
Order No.	PO NO.: 0	PO NO.: 01500343 R			Weight: (kg,)	Bronze: Brass: Others: Total:	PC/kg



No.: BR118-DN40 May 1st 2020 Dept. Metalwork Workshop Inspection Date Brand ECI Description Bronze Ball Valve Model No. **BR118** Size 11/2" Qty for Qty for Pressure 1124 Sets 1124 sets 2.5MPa Inspection Inspection Rating Inspection Status Details of Standard Requirement Pass Failed Results Inpection Up seal Test Not Available Hydraulic test 3.75MPa, Keep 15s, without Body any leakages and damage. Air test 0.8MPa, keep 15s, without any Seal Test visible leakage. Seal Face Degree of roughness Ra≤1.6µm. quality Thread **BSPT 1.1/2"** Disc Position Check that disc is clear of the waterway 1124 0 OK Open & Stop Flexible,no binding d L Н D Dimension (mm) Ф38 92 70 Ф140 Handwheel Not Available Appearance: Finish Appearance 1.1/2 ECI PN25 Marking Free from oil, water, packed safely Package Inspecting according to ISO7. Results Issue date: May 1st 2020 Weight: (kg,) Bronze: Brass: Order No. PO NO.: 01500343 Remark Others:

Total:

PC/kg



No.: BR220-DN20

Dept.	Metalwo	ork Worksh	op Insp	ection Date	May 1 st 2020	Brand	ECI
Description	Bronze `	Bronze Y type strainer		lodel No.	BR220	Size	3/4"
Qty for Inspection	1925PCS		Ir	Qty for nspection	1925PCS	Pressure Rating	2.0MPa
Details of		0, 1, 1,			I	nspection Sta	tus
Inpection		Standard I	Requireme	ent	Pass	Failed	Results
Up seal Test	Not Availa	ble					
Body	1	ulic test 3.0 ges and dam		30s, without			
Seal Test	Air te		keep 30s,	without any			
Thread	BSPT	3/4"					
Disc Position	Not Availa	ble					
Open & Stop	Flexib	le,no binding	3		1925	0	OK
Dimension	Meshes/c m2	L	H (central height)	Dia(handle)		· ·	
(mm)	34	70	51	/			
Handwheel	Not A	vailable					
Appearance		arance: Fini PN20 ECI →	sh				
Marking 、 Package	Free f cardboard		er, packed ir	n pvc bag and			
Results	Insped	cting accordi	ng to ISO7		Issue date:	May 1 st 2020)
					Weight: (kg,)	Bronze:	
Order No.		DO NO :045	00242	Domoris		Brass:	
Order No.:		PO NO.:015	000343	Remark		Others:	
						Total:	Pc/kg



1							
Dept.	Metalwo	ork Worksho	op Insp	ection Date	Oct. 12, 2020	Brand	ECI
Description	1	swing chec	ck M	odel No.	BR325	Size	1/2"
Qty for Inspection	13	399 pcs		Qty for spection	1399pcs	Pressure Rating	200WOG /2.5MPa
Details of					ı	nspection Sta	tus
Inpection		Standard F	Requireme	nt	Pass	Un-pass	Results
Up seal Test	No have						
Body		est 3.75MPa nd damage.	a, Keep 30s	, without any			
Seal Test	_	est 2.75MPa nd damage.	a, Keep 30s	, without any			
	Air te leakages.	st 0.8MPa,	Keep 30s,	without any			
Thread	BSPT	1/2 , go/no g	o gauge				
Disc Position	Check that	disc is clear	of the wate	rway	1399	0	ОК
Open & Stop	Flexib	le,no binding	ı		1399	U	UK
Dimension	d	L	Н	Lever			
(mm)	Ф12.5	58	38	1			
Handwheel		vheel and ste vious skew	em with on lo	ooseness,			
Appearance	Appea	rance: Finis	sh				
Marking	1/2	→ 125S 20	00WOG EC	ľ			
Package	Free f	rom oil, wate	r, packed sa	ifely			
Results	Inspec	cting accordin	ng to ISO7。		Issue date:	Oct. 12, 2020)
Order No.				Remark			



					_		
Dept.	Metalwo	ork Worksho	op Insp	ection Date	Oct. 12, 2020	Brand	ECI
Description		swing chec	ck M	odel No.	BR325	Size	3/4"
Qty for Inspection	12	212 pcs	I	Qty for spection	1212pcs	Pressure Rating	200WOG /2.5MPa
Details of		e 24 1815			ı	nspection Sta	tus
Inpection		Standard F	Requireme	nt	Pass	Un-pass	Results
Up seal Test	No have						
Body		test 3.75MPa and damage.	a, Keep 30s	, without any			
Seal Test		test 2.75MPa and damage.	a, Keep 30s	, without any			
	Air te leakages.	st 0.8MPa,	Keep 30s,	without any			
Thread	BSPT	3/4" , go/no g	go gauge				
Disc Position	Check that	disc is clear	of the wate	rway	1212	0	OK
Open & Stop	Flexib	le,no binding	ļ		1212	U	OK
Dimension	d	L	Н	Lever			
(mm)	Ф19	66	42	1			
Handwheel		wheel and ste	em with on lo	ooseness,			
Appearance	2.5	arance: Finis					
Marking、 Package		rom oil, wate		ıfely			
Results	Insped	cting according	ng to ISO7。		Issue date:	Oct. 12, 2020)
Order No.				Remark			



Metalwo	ork Worksho	op Inspe	ection Date	Oct. 12, 2020	Brand	ECI
		k M	odel No.	BR325	Size	1"
12	266 pcs	I		1266pcs	Pressure Rating	200WOG /2.5MPa
				Ĩ	nspection Sta	tus
	Standard F	Requireme	nt	Pass	Un-pass	Results
No have						
		ı, Keep 30s	, without any			
		ı, Keep 30s	, without any			
Air tes	st 0.8MPa,	Keep 30s,	without any			
BSPT	1 , go/no go (gauge				
Check that	disc is clear	of the wate	way	1266	0	ОК
Flexibl	le,no binding			1200	U	OK
d	Ĺ	Н	Lever			
Ф24.5	80	49	1			
		em with on lo	ooseness,			
(0, 10)						
			fely			
Inspec	cting accordin	ng to ISO7。		Issue date:	Oct. 12, 2020	1
			Remark			
	No have Hydraulic to leakages at the leakages. BSPT Check that the leakages. Great the leakages. BSPT Check that the leakages. Air teleakages. BSPT Check that the leakages. Flexible the leakages. The leakages at the leakages. BSPT Check that the leakages. Free files the leakages.	Bronze swing check valve 1266 pcs Standard F No have Hydraulic test 3.75MPa leakages and damage. Hydraulic test 2.75MPa leakages and damage. Air test 0.8MPa, leakages. BSPT 1, go/no go go Check that disc is clear Flexible,no binding d L Ф24.5 80 Handwheel and stano obvious skew Appearance: Finis 1 →125S 200W Free from oil, wate	Bronze swing check valve 1266 pcs In Standard Requirement No have Hydraulic test 3.75MPa, Keep 30s leakages and damage. Hydraulic test 2.75MPa, Keep 30s leakages and damage. Air test 0.8MPa, Keep 30s, leakages. BSPT 1, go/no go gauge Check that disc is clear of the water Flexible,no binding d L H Ф24.5 80 49 Handwheel and stem with on long obvious skew Appearance: Finish 1 →125S 200WOG ECI	Bronze swing check valve 1266 pcs Cyty for Inspection Standard Requirement No have Hydraulic test 3.75MPa, Keep 30s, without any leakages and damage. Hydraulic test 2.75MPa, Keep 30s, without any leakages and damage. Air test 0.8MPa, Keep 30s, without any leakages and damage. Air test 0.8MPa, Keep 30s, without any leakages. BSPT 1, go/no go gauge Check that disc is clear of the waterway Flexible,no binding d L H Lever Ф24.5 80 49 / Handwheel and stem with on looseness, no obvious skew Appearance: Finish 1 →125S 200WOG ECI Free from oil, water, packed safely Inspecting according to ISO7。	Bronze swing check valve 1266 pcs Qty for Inspection Standard Requirement Pass No have Hydraulic test 3.75MPa, Keep 30s, without any leakages and damage. Hydraulic test 2.75MPa, Keep 30s, without any leakages and damage. Air test 0.8MPa, Keep 30s, without any leakages. BSPT 1, go/no go gauge Check that disc is clear of the waterway Flexible,no binding d L H Lever Ф24.5 80 49 / Handwheel and stem with on looseness, no obvious skew Appearance: Finish 1 → 125S 200WOG ECI Free from oil, water, packed safely Inspecting according to ISO7。 Issue date:	Bronze swing check valve 1266 pcs 1266 pcs Qty for Inspection Standard Requirement Standard Requirement Hydraulic test 3.75MPa, Keep 30s, without any leakages and damage. Hydraulic test 2.75MPa, Keep 30s, without any leakages and damage. Air test 0.8MPa, Keep 30s, without any leakages. BSPT 1, go/no go gauge Check that disc is clear of the waterway Flexible,no binding d L H Lever ф24.5 80 49 / Handwheel and stem with on looseness, no obvious skew Appearance: Finish 1 →125S 200WOG ECI Free from oil, water, packed safely Inspecting according to ISO7。 Issue date: Oct. 12, 2020



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Dept.	Metalwo	ork Worksh	op Insp	ection Date	Oct. 12, 2020	Brand	ECI
Description		swing chec	ck M	odel No.	BR325	Size	11/4"
Qty for Inspection	8	862pcs	I	Qty for spection	862pcs	Pressure Rating	200WOG /2.5MPa
Details of		_				nspection Sta	tus
Inpection		Standard F	Requireme	nt	Pass	Un-pass	Results
Up seal Test	No have						
Body	1 -	test 3.75MPa and damage.		, without any			
Seal Test		test 2.75MPa and damage.		, without any			
	Air te leakages.	st 0.8MPa,	Keep 30s,	without any			
Thread	BSPT	11/4, go/no	go gauge				
Disc Position	Check that	t disc is clear	of the wate	rway	862	0	OK
Open & Stop	Flexib	le,no binding	Į		002	U	OK
Dimension	d	L,	Н	Lever			
(mm)	Ф30.9	89	56	I			
Handwheel	1	wheel and ste	em with on lo	ooseness,			
Appearance	15.15	arance: Finis					
Marking、		→ 125S 20					
Package	Free f	rom oil, wate	r, packed sa	ıfely			
Results	Insped	cting accordi	ng to ISO7。		Issue date:	Oct. 12, 2020	
Order No.				Remark			



							BR323-DIN40
Dept.	Metalwo	ork Worksh	op Insp	ection Date	Oct. 12, 2020	Brand	ECI
Description		swing chec	CK N	lodel No.	BR325	Size	11/2"
Qty for Inspection	7	29 pcs		Qty for spection	729pcs	Pressure Rating	200WOG /2.5MPa
Details of				a.	lı	nspection Sta	tus
Inpection		Standard F	Requireme	nt	Pass	Un-pass	Results
Up seal Test	No have						
Body		test 3.75MPa and damage.	a, Keep 30s	, without any			
Seal Test		test 2.2MPa ind damage.	, Keep 30s	, without any			
	Air te leakages.	st 0.6MPa,	Keep 30s,	without any			
Thread	BSPT	11/2 , go/no g	go gauge				
Disc Position	Check that	disc is clear	of the wate	rway	729	0	OK
Open & Stop	Flexib	le,no binding	ı		729	U	OK
Dimension	d	L	Н	Lever			
(mm)	Ф39	95	65	1			
Handwheel		wheel and stew	em with on I	ooseness,			
Appearance		arance: Finis					
Marking 、		→ 125S 20					
Package	Free f	rom oil, wate	r, packed sa	afely			
Results	Insped	cting accordi	ng to ISO7。		Issue date: Oct. 12, 2020		
Order No.				Remark			



,					Y	- î	
Dept.	Metalwo	Metalwork Workshop		ection Date	Oct. 12, 2020	Brand	ECI
Description	1	swing chec	k M	odel No.	BR325	Size	2"
Qty for Inspection	8	25 pcs		Qty for spection	825pcs	Pressure Rating	200WOG /2.5MPa
Details of				~	1	nspection Sta	tus
Inpection		Standard R	Requireme	Pass	Un-pass	Results	
Up seal Test	No have						
Body	1	est 3.75MPa nd damage.	a, Keep 30s	, without any			
Seal Test		est 2.75MPa nd damage.	ı, Keep 30s	, without any			
	Air te leakages.	st 0.8MPa,	Keep 30s,	without any			
Thread	BSPT	2 , go/no go g	gauge				
Disc Position	Check that	disc is clear	of the water	rway	825	0	OK
Open & Stop	Flexib	le,no binding			023	U	OK
Dimension	d	L	Н	Lever			
(mm)	Ф49.6	108	76	1			
Handwheel	1	vheel and ste vious skew	em with on lo	ooseness,			
Appearance	1	rance: Finis					
Marking、		125S 200V					
Package	Free f	rom oil, wate	r, packed sa	fely			
Results	Inspec	cting accordin	ng to ISO7。		Issue date:	Oct. 12, 2020)
Order No.				Remark			



No.: BR520-DN20

			10311		No.: BRO	120-DIN20	
Dept.	Metalwo	ork Worksho	op Inspe	ection Date	May 1 st 2020	Brand	ECI
Description	Bronze N	RS Gate Val	ve M	odel No.	BR520	Size	3/4"
Qty for Inspection	20	02 PCS	1	Qty for spection	2002 PCS	Pressure Rating	300WOG /2.0MPa
Details of		Ctandard F) o au iromo	- 4	I	nspection Sta	tus
Inpection		Standard F	kequiremei	ιι	Pass	Failed	Results
Up seal Test	Hydraulic visible leak		, keep 15s,	without any			
Body	1	ulic test 3.0l es and dama	•	15s, without			
Seal Test	Air te visible leak		keep 15s,	without any			
Seal Face quality	Degre	e of roughne	ss Ra≤1.6µı	m.			
Thread	BSPT	3/4"					
Disc Position	Check that	disc is clear	of the water	way			
Open & Stop	Flexib	le,no binding			2002	0	OK
Dimension	d	L	Н	D			
(mm)	Ф19.1	54	84	Ф69			
Handwheel	1	vheel and ste	em with on lo	ooseness,			
Appearance、 Marking、 Package	Free from oil, water, packed safely						
Results	Inspec	cting accordir	ng to GBT13	927-2008。	Issue date:	May 1 st 2020)
Order No.	PO NO.:0	1500343		Remark	Factory allowab GBT13927-200	-	according



No.: BR520- DN80

						IVC).: BR320- DIN8
Dept.	Metalwo	ork Worksho	op Inspe	ection Date	May 1 st 2020	Brand	ECI
Description	Bronze N	IRS Gate Val	ve M	odel No.	BR520	Size	3"
Qty for Inspection	10	02 PCS		Qty for spection	102 PCS	Pressure Rating	300WOG /2.0MPa
Details of		Otanaland F		-1	ı	nspection Sta	tus
Inpection		Standard F	kequiremei	nt	Pass	Failed	Results
Up seal Test	Hydraulic visible leak		, keep 15s,	without any			
Body	1	ulic test 3.0l jes and dama		15s, without			
Seal Test	Air te visible leak		keep 15s,	without any			
Seal Face quality	Degre	e of roughne	ss Ra≤1.6µı	m.			
Thread	NPT 3	3"					
Disc Position	Check that	disc is clear	of the water	way			
Open & Stop	Flexib	le,no binding			102	0	OK
Dimension	d	L	Н	D			
(mm)	Ф76	105	215	Ф110			
Handwheel		wheel and ste	em with on lo	ooseness,			
Appearance、 Marking、 Package	3 ECI	arance: Finis PN20 rom oil, wate		fely			
Results	Inspec	cting according	ng to GBT13	927-2008。	Issue date:	May 1 st 2020)
Order No.	Po No.: 0	1500343		Remark	Factory allowald	ole leaking rate: 8:Rate D.	according



No.: BR520-DN100

Dept.	Metalwo	ork Worksh	op Insp	ection Date	May 1 st 2020	Brand	ECI
Description	Bronze N	IRS Gate Val	lve M	odel No.	152B	Size	4"
Qty for Inspection	8	3 PCS		Qty for spection	83 PCS	Pressure Rating	2.0MPa
Details of		0			1	nspection Stat	tus
Inpection		Standard F	Requireme	nt	Pass	Failed	Results
Up seal Test	Hydraulic visible leak		, keep 15s,	without any			
Body	1	ulic test 3.0l les and dama		15s, without			
Seal Test	Air te visible leak		keep 15s,	without any			
Seal Face quality	Degre	e of roughne	ess Ra≤1.6µı	m.			
Thread	NPT 2	,,,	-				
Disc Position	Check that	disc is clear	of the wate	rway			
Open & Stop	Flexib	le,no binding	l		32	0	OK
Dimension	d	L	Н	D			
(mm)	Ф100	124	258	Ф130			
Handwheel		vheel and ste	em with on lo	ooseness,			
Appearance、 Marking、 Package	4 PN2	rance: Finis 0 ECI rom oil, wate		fely			
Results	Inspec	cting according	ng to GBT13	3927-2008。	Issue date:	May 1 st 20	20
Order No.	PO NO.:0	1500343		Remark	Factory allowab GBT13927-200	•	according



No.: E	3R825-DN20
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Dept.	Metalwo	ork Worksh	op Insp	ection Date	May 1 st 2020	Brand	ECI
Description	Bro	nze DRV	N	lodel No.	BR825	Size	3/4"
Qty for Inspection	9	30 sets	lı	Qty for	930 Sets	Pressure Rating	2.5MPa
Details of		Standard F	Requireme	ent		nspection Sta	
Inpection			•		Pass	Failed	Results
Up seal Test	Air test 0.8 leakage。	8MPa, keep	15 s, witho	out any visible			
Body	_			15s, without			
<u> </u>		ges and dam					
Seal Test	visible leak		кеер 158	without any			
Seal Face quality	Degre	ee of roughne	ess Ra≤1.6 _l	ım.			
Thread	BSPT	•					
Disc Position	Check that	t disc is clea	of the water	erway			
Open & Stop	Flexib	ole,no binding)		930	0	OK
Dimension		L	H (central height)	Dia(handle)			
(mm)		96	111	90			
Handwheel		wheel and st vious skew	em with on	looseness,			
Annogrange	1	arance: Fini					
Appearance、 Marking、		ECI PN25		a nya haa and			
Package	cardboard		я, раскес п	n pvc bag and			
Results	Inspec	cting accordi	ng to BS73	50。	Issue date:	May 1 st 2020)
Order No.	PO NO.:0	01500343		Remark	Weight: (kg,)	Bronze: Brass: Others: Total:	Pc/kg

DESCRIPTION: CAST IRON VALVES

ISSUE: EUROPEAN CASTING INDUSTRY

ISSUE NO: PO # 01500358

ISSUE DATE: 01/03/2020

PAGE NO: 1 OF 3



		DESCRIPTION. CAST IRON VALVES PAGE NO. 1 OF 3																	
ITEM	DECODIDEION	QTY	CLASS	ECI	- FND				MATE	ERIAL				HYDR	OSTATIC ((MPA)	AIR T	EST	DEOL II T
No.	DESCRIPTION	(PCS)	(PN)	ARTICLE	END		BODY/ BONNET		DISC	ST	ЕМ	SEAT		BODY	SEAT	BACK	SEA	ιT	RESULT
1	G101 2"	100	125S	1	Flange	е	DI		SS316	SS	410	EPDM	1	2.4	1.76	1	/		ok
2	G101 21/2"	120	125S	1	Flange	е	DI		SS316	SS	410	EPDM	1	2.4	1.76	1	/		ok
3	G101 3"	300	125S	1	Flange	е	DI		SS316	SS	410	EPDM	1	2.4	1.76	1	1		ok
4	G101 4"	320	1258	1	Flange	е	DI		SS316	SS	410	EPDM	1	2.4	1.76	1	1		ok
5	G101/G103 6"	130	125S	1	Flange	е	DI		SS316	SS	410	EPDM	1	2.4	1.76	1	1		ok
6	G101	150	125S	1	Flange	е	DI		SS316	SS	410	EPDM	1	2.4	1.76	1	1		ok
7	G101/G103 10"	30	125S	1	Flange	е	DI		SS316	SS	410	EPDM		2.4	1.76	1	1		ok
8	G311 4"	75	125S	1	Flange	е	CI		SS316		1	EPDN		2.4	1.76	1	1		ok
9	G311 6"	50	125S	1	Flange	е	CI		SS316		1	EPDM		2.4	1.76	1	1		ok
10	G311 8"	50	1258	1	Flange	е	CI		SS316		1	EPDM	1	2.4	1.76	1	1		ok
ITEM		NAMEOF	HEAT		Chemical Analysis (%)									MP	а	E (%)	Ψ		
No.	DESCRIPTION	PART	No.	Material	C%	Si%	Mn%	P%	S%	Re%	Cr%	Ni%	Мо	Mg%	Tensile	Yield	(79)	(%)	НВ
			D044	00050							C1 76		%		Strength	Point	4.4	,	
		BODY	D041	GGG50	3.7	2.66	0.32	0.052	0.025	1	/	1	/	0.08	468	353	14	1	1
		BODY	D481	GGG50	3.68	2.77	0.22	0.41	0.019	/	/	/	/	0.03	484	361	13.5	1	1
1	G101 2"	DISC	1709	SS316	0.07 3	1.3	1.3	0.03	0.032	/	19.37	9.940	2.55	/	513	239	36	/	1
'	G1012	DISC	1807	SS316	0.05 9	1.12	1.1	0.025	0.03	/	18.70	10.01	2.23	/	514	242	31	/	/
		DISC	1703	SS316	0.07	1.25	1.32	0.031	0.032	/	19.54	9.97	2.28	1	520	241	38	/	/
		STEM	1	SS410	0.13	0.78	0.76	0.029	0.023	/	12.22	0.040	/	/	570	382	28	/	/
		BODY	D71L	GGG50	3.71	2.79	0.38	0.056	0.024	/	/	/	/	0.08	473	345	14	/	/
		BODY	D041	GGG50	3.7	2.66	0.32	0.052	0.025	/	/	1	/	0.08	468	353	14	1	1
		BODY	D481	GGG50	3.68	2.77	0.22	0.41	0.019	/	/	/	/	0.03	484	361	13.5	/	/
2	G101 21/2"	DISC	1703	SS316	0.07	1.25	1.32	0.031	0.032	/	19.54	9.97	2.28	/	520	241	38	/	1
		DISC	1709	SS316	0.07 3	1.3	1.3	0.03	0.032	/	19.37	9.940	2.55	/	513	239	36	/	1
		STEM	1	SS410	0.13	0.78	0.76	0.029	0.023	/	12.22	0.040	/	/	570	382	28	/	1
		BODY	D791	GGG50	3.78	2.73	0.46	0.052	0.023	/	/	1	/	0.04	470	352	13	/	/
		BODY	D041	GGG50	3.7	2.66	0.32	0.052	0.025	/	/	1	/	0.08	468	353	14	1	/

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3	G101 3"	BODY	D481	GGG50	3.68	2.77	0.22	0.41	0.019	/	/	1	/	0.03	484	361	13.5	1	1
		DISC	1703	SS316	0.07	1.25	1.32	0.031	0.032	/	19.54	9.97	2.28	/	520	241	38	/	/
		DISC	1901	SS316	0.06	1.29	1.22	0.03	0.034	/	19.47	9.86	2.45	/	523	236	38	/	/
		DISC	1705	SS316	0.05 5	1.15	1.07	0.027	0.029	/	18.53	10.12	2.27	1	508	233	35	/	/
		DISC	1807	SS316	0.05	1.12	1.1	0.025	0.03	/	18.70	10.01	2.23	/	514	242	31	1	/
		DISC	1709	SS316	0.07	1.3	1.3	0.03	0.032	/	19.37	9.940	2.55	/	513	239	36	1	/
		STEM	/	SS410	0.13	0.78	0.76	0.029	0.023	/	12.22	0.040	/	/	570	382	28	/	/
		BODY	D041	GGG50	3.7	2.66	0.32	0.052	0.025	/	/	/	/	0.08	468	353	14	/	/
		BODY	D481	GGG50	3.68	2.77	0.22	0.41	0.019	/	1	/	/	0.03	484	361	13.5	/	1
		DISC	1601	SS316	0.06 4	1.32	1.33	0.03	0.028	/	19.20	9.380	2.52	1	497	228	37	/	/
4	G101 4"	DISC	1705	SS316	0.05 5	1.15	1.07	0.027	0.029	1	18.53	10.12	2.27	1	508	233	35	/	1
		DISC	1807	SS316	0.05 9	1.12	1.1	0.025	0.03	/	18.70	10.01	2.23	1	514	242	31	1	1
		DISC	1709	SS316	0.07 3	1.3	1.3	0.03	0.032	/	19.37	9.940	2.55	/	513	239	36	1	/
		STEM	1	SS410	0.13	0.78	0.76	0.029	0.023	/	12.22	0.040	/	/	570	382	28	/	1
		BODY	D791	GGG50	3.78	2.73	0.46	0.052	0.023	/	/	/	/	0.04	470	352	13	/	/
		BODY	D047	GGG50	3.65	2.63	0.34	0.06	0.022	/	1	/	/	0.08	474	338	16	/	/
		BODY	D481	GGG50	3.68	2.77	0.22	0.41	0.019	/	/	/	/	0.03	484	361	13.5	/	/
		DISC	1901	SS316	0.06	1.29	1.22	0.03	0.034	/	19.47	9.86	2.45	/	523	236	38	1	/
5	G101/G103 6"	DISC	1703	SS316	0.07	1.25	1.32	0.031	0.032	/	19.54	9.97	2.28	/	520	241	38	1	/
	0101/01030	DISC	1705	SS316	0.05 5	1.15	1.07	0.027	0.029	/	18.53	10.12	2.27	/	508	233	35	1	/
		DISC	1807	SS316	0.05 9	1.12	1.1	0.025	0.03	/	18.70	10.01	2.23	/	514	242	31	1	/
		DISC	1907	SS316	0.06 6	1.28	1.22	0.028	0.033	/	19.20	11.02	2.36	1	499	234	39	1	/
		STEM	1	SS410	0.13	0.78	0.76	0.029	0.023	/	12.22	0.040		/	570	382	28	/	/
		BODY	D71S	GGG50	3.65	2.82	0.33	0.061	0.028	/	/	/	/	0.07	480	337	13	/	1
		BODY	D653	GGG50	3.73	2.69	0.034	0.055	0.019	/	/	/	/	0.05	462	315	17	/	1
		BODY	D047	GGG50	3.65	2.63	0.34	0.06	0.022	/	/	/	/	0.08	474	338	16	/	1
6	G101 8"	DISC	1901	SS316	0.06	1.29	1.22	0.03	0.034	/	19.47	9.86	2.45	/	523	236	38	/	1
	2.313	DISC	1709	SS316	0.07 3	1.3	1.3	0.03	0.032	/	19.37	9.940	2.55	/	513	239	36	/	1
		DISC	1907	SS316	0.06	1.28	1.22	0.028	0.033	/	19.20	11.02	2.36	/	499	234	39	1	1
		STEM	1	SS410	0.13	0.78	0.76	0.029	0.023	/	12.22	0.040	/	/	570	382	28	/	1
		BODY	D79S	GGG50	3.65	2.56	0.47	0.064	0.02	/	/	/	/	0.05	459	339	15	/	/
		BODY	D71S	GGG50	3.65	2.82	0.33	0.061	0.028	1	/	/	/	0.07	480	337	13	/	1

DESCRIPTION: CAST IRON VALVES

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7	G101/G103 10"	BODY	D653	GGG50	3.73	2.69	0.034	0.055	0.019	/	/	/	/	0.05	462	315	17	/	/
		BODY	D481	GGG50	3.68	2.77	0.22	0.41	0.019	1	/	1	/	0.03	484	361	13.5	/	/
		DISC	1703	SS316	0.07	1.25	1.32	0.031	0.032	1	19.54	9.97	2.28	1	520	241	38	/	/
		DISC	1705	SS316	0.05 5	1.15	1.07	0.027	0.029	/	18.53	10.12	2.27	/	508	233	35	/	1
		DISC	1709	SS316	0.07	1.3	1.3	0.03	0.032	1	19.37	9.940	2.55	/	513	239	36	/	1
		STEM	1	SS410	0.13	0.78	0.76	0.029	0.023	1	12.22	0.040	/	/	570	382	28	/	/
		BODY	D037	GG25	3.2	1.81	0.93	0.13	0.072	/	/	1	/	1	257	/	1	/	/
		BODY	D8XC	GG25	3.41	1.87	0.74	0.11	0.086	/	/	1	/	1	217	/	1	/	/
8	G311 4"	DISC	1809	SS316	0.07 1	1.34	1.2	0.031	0.025	/	20.30	10.54	2.60	/	502	233	38	/	1
		DISC	1705	SS316	0.06 9	1.41	1.38	0.035	0.036	/	18.91	1.033	2.47	/	508	230	37	/	1
_		BODY	D037	GG25	3.2	1.81	0.93	0.13	0.072	1	/	1	/	/	257	/	1	/	/
9	G311 6"	DISC	1809	SS316	0.07 1	1.34	1.2	0.031	0.025	/	20.30	10.54	2.60	/	502	233	38	/	/
		BODY	D039	GG25	3.26	1.75	0.93	0.128	0.086	1	/	1	1	1	261	1	1	/	1
10	G311 8"	DISC	1809	SS316	0.07 1	1.34	1.2	0.031	0.025	/	20.30	10.54	2.60	/	502	233	38	/	1

We hereby certify that the material above has been tested and complied with the terms of the order contract.

ISSUE NO: PO # 01500358 ISSUE DATE: 01/03/2020

DESCRIPTION: CAST IRON VALVES PAGE NO: 1 OF 2



'	DESCRIPTION	QTY (DOS)	CLASS	ECI															
1				ARTICLE	END		DOD)//		MATE	ERIAL				HYDR	OSTATIC	(MPA)	TE	IR ST	RESULT
'		(PCS)	(PN)				BODY/ BONNET		DISC	STE	EM	SEAT		BODY	SEAT	BACK	SE	AT	
	G501 3"	50	125S	/	Flange	9	GG25		GG25	Hpb5	59-1	ZCuSn5Pb	5Zn5	2.41	1.38	1		/	ok
2	G501 4"	80	125S	1	Flange	9	GG25		GG25	Hpb5	59-1	ZCuSn5Pb	5Zn5	2.41	1.38	1		/	ok
3	G505 2"	30	125S	1	Flange	•	GG25		GG25	Hpb5	59-1	ZCuSn5Pb	5Zn5	2.41	1.38	1		/	ok
4	G505 21/2"	25	125S	1	Flange	•	GG25		GG25	Hpb5	59-1	ZCuSn5Pb	5Zn5	2.41	1.38	1		/	ok
5	G505 4"	32	125S	1	Flange	e	GG25		GG25	Hpb5	59-1	ZCuSn5Pb	5Zn5	2.41	1.38	1		/	ok
6	G503 21/2"	75	16	1	Flange	•	GG25		GG25	Hpb5	59-1	ZCuSn5Pb	5Zn5	2.4	1.76	1		/	ok
7	G503 3"	50	16	1	Flange	•	GG25		GG25	Hpb5	59-1	ZCuSn5Pb	5Zn5	2.4	1.76	1		/	ok
8	G503 4"	64	16	1	Flange	•	GG25		GG25	Hpb5	59-1	ZCuSn5Pb	5Zn5	2.4	1.76	1		/	ok
9	G503 8"	27	16	1	Flange	9	GG25		GG25	Hpb5	59-1	ZCuSn5Pb	5Zn5	2.4	1.76	1		/	ok
10	G201 8"	25	125S	1	Flange	•	GG25		1	1		1		2.41	1	1		/	ok
11	G203 8"	25	16	1	Flange	9	GG25		1	1		1		2.41	1	1		/	ok
12	G301 4"	64	125S	1	Flange	9	GG25		GG25	1		ZCuSn5Pb	5Zn5	2.07	1.38	1		/	ok
13	G301 8"	30	125S	1	Flange	,	GG25		GG25	1		ZCuSn5Pb	5Zn5	2.07	1.38	1		/	ok
14	G303 21/2"	50	16	1	Flange	,	GG25		GG25	1		ZCuSn5Pb	5Zn5	2.4	1.6	1		/	ok
						'		C	hemical An	alvsis (%)				MF	Pa	Е		
ITEM	DESCRIPTION	NAMEOF	HEAT	Material							,				Tensile		(%)	Ψ	НВ
No.		PART	No.	a.a.	C%	Si%	Mn%	P%	S%	Re%	Cr%	Ni%	Mo %	Mg%	Strengt	Yield Point		(%)	
		BODY	C037	GG25	3.31	1.96	0.98	0.052	0.048	1	/	/	/	1	291	/	1	1	1
1	G501 3"	BONNET	C914	GG25	3.20	1.79	0.81	0.036	0.065	1	/	/	1	1	290	1	/	/	1
		DISC	C9ZD	GG25	3.38	1.86	0.89	0.060	0.039	1	/	/	1	1	298	1	/	/	1
		BODY	C02W	GG25	3.20	1.89	0.80	0.046	0.056	1	/	1	/	/	301	1	1	1	1
2	G501 4"	BONNET	C97Y	GG25	3.28	1.86	0.82	0.054	0.054	1	/	/	/	/	288	1	1	1	1
		DISC	C01K	GG25	3.36	1.99	0.97	0.057	0.047	1	/	/	/	/	314	1	1	1	1
		BODY	C03D	GG25	3.29	2.00	0.91	0.042	0.061	1	/	/	/	1	315	1	/	/	1
3	G505 2"	BONNET	C971	GG25	3.32	1.95	0.86	0.057	0.042	1	/	/	/	1	266	1	/	/	1
		DISC	C94A	GG25	3.26	1.79	0.84	0.042	0.056	1	/	1	1	/	257	/	1	1	1
		BODY	C03D	GG25	3.29	2.00	0.91	0.042	0.061	/	1	/	1	/	315	/	1	/	/

ISSUE: EUROPEAN CASTING INDUSTRY

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					DESCRIPTION:	CAST	IRON V	'ALVES		PAG	E NO: 2	OF 2							
	0505.04/01	BONNET	C98E	GG25	3.27	1.78	0.84	0.049	0.038	1	1	1	/	1	285	1	/	/	1
4	G505 21/2"	DISC	C9ZV	GG25	3.13	1.89	0.89	0.049	0.036	1	1	1	1	1	316	1	1	/	/
		BODY	C02W	GG25	3.20	1.89	0.80	0.046	0.056	1	1	1	/	1	301	1	/	1	1
5	G505 4"	BONNET	C9Z5	GG25	3.21	1.92	0.91	0.047	0.035	1	1	1	/	1	329	1	1	1	1
		DISC	C99L	GG25	3.21	1.86	0.87	0.044	0.041	1	1	1	/	1	293	1	/	1	1
		BODY	C03D	GG25	3.29	2.00	0.91	0.042	0.061	1	1	1	1	1	315	/	/	/	1
6	G503 21/2"	BONNET	C02D	GG25	3.21	1.92	0.81	0.053	0.049	1	1	1	1	1	306	/	/	/	1
		DISC	C992	GG25	3.16	1.85	0.79	0.045	0.040	1	1	1	/	1	306	1	/	1	1
		BODY	C02W	GG25	3.20	1.89	0.80	0.046	0.056	1	1	1	1	1	301	1	1	1	1
7	G503 3"	BONNET	C02X	GG25	3.33	1.86	0.76	0.049	0.046	1	1	1	1	1	289	1	1	1	1
		DISC	C9ZD	GG25	3.38	1.86	0.89	0.060	0.039	1	1	1	1	1	298	1	1	/	1
		BODY	C037	GG25	3.31	1.96	0.98	0.052	0.048	1	1	1	1	1	291	1	1	1	1
8	G503 4"	BONNET	C9ZA	GG25	3.18	1.97	0.87	0.048	0.037	1	1	1	1	1	312	1	1	1	1
		DISC	C03A	GG25	3.27	1.96	1.01	0.052	0.048	1	1	1	1	1	334	1	1	1	/
		BODY	C02T	GG25	3.38	2.04	0.83	0.050	0.071	1	1	1	/	1	303	1	/	/	/
9	G503 8"	BONNET	C9Y7	GG25	3.37	1.97	0.90	0.059	0.041	1	1	1	1	1	322	1	1	1	1
		DISC	C72C	GG25	3.23	1.87	0.89	0.043	0.062	1	1	1	1	1	302	1	1	/	/
10	G201 8"	BODY	C03J	GG25	3.14	1.93	0.83	0.049	0.037	1	1	1	1	1	309	1	1	/	1
10	G2010	BONNET	C992	GG25	3.16	1.85	0.79	0.045	0.040	1	1	1	1	1	306	1	1	1	1
11	G203 8"	BODY	C03C	GG25	3.39	1.92	0.94	0.045	0.074	1	1	1	1	1	327	/	1	/	1
- ''	G203 0	BONNET	C992	GG25	3.16	1.85	0.79	0.045	0.040	1	1	1	1	1	306	1	1	1	1
		BODY	C037	GG25	3.31	1.96	0.98	0.052	0.048	1	1	1	1	1	291	1	1	/	1
12	G301 4"	BONNET	C96V	GG25	3.21	1.80	0.82	0.052	0.042	1	1	1	1	1	297	1	/	1	1
		DISC	C037	GG25	3.31	1.96	0.98	0.052	0.048	1	1	1	1	1	291	1	1	/	1
		BODY	C03G	GG25	3.28	1.91	0.94	0.045	0.073	1	1	1	1	1	345	1	1	1	1
13	G301 8"	BONNET	C03J	GG25	3.14	1.93	0.83	0.049	0.037	1	1	1	1	1	309	1	1	1	1
10	30010	BONNET	C9YP	GG25	3.04	1.89	0.83	0.054	0.038	1	1	1	/	1	315	1	1	1	1
		DISC	C02L	GG25	3.29	1.92	0.80	0.051	0.046	1	1	1	1	1	331	1	1	1	1
		BODY	C03B	GG25	3.25	1.93	0.97	0.043	0.072	1	1	1	/	1	314	1	1	/	1
14	G303 21/2"	BONNET	C03A	GG25	3.27	1.96	1.01	0.052	0.048	1	1	1	1	1	334	1	1	1	1
		DISC	C02K	GG25	3.19	1.94	0.80	0.051	0.038	1	1	1	1	1	308	1	1	1	1

We hereby certify that the material above has been tested and complied with the terms of the order contract.





Data / Date: 30/05/2023

EUROPEAN CASTING INDUSTRY

SRL

Via Lazzaretto, 11 20124 Milano, Italia

Oggetto: CERTIFICATE OF CONFORMITY

Subject: (In compliance with UNI CEI EN 45014 e UNI EN 10204 2.2)

With this document the company ECI SRL. declares that the product at which this certificate referred is in compliance to the technical specifications of our catalogue, to the prescriptions declared in our technical drawings.

ARTICLE:

BS202

DESCRIPTION:

Y strainer PN16

					CHEMICA	L ANAL	/SIS (%)									
Component		ard EN12165 ication limits	Cu	Pb	Sn	Fe	Ni	Al	Si	Р	Sb	As	Zn			
Body		MIN MAX	57,0 59,0	1,6 2,2	0,0 0,3	0,0 0,3	0,0 0,1	0,00 0,05		1	1	/ R				
					MECH	ANICAL	TEST									
Component	Batch N°	Date	Tensi	Tensile Strenght [MPa]				jht	Elongation	[%]	Har	dness [H	B]			
Body	1	06.03.2023		1			1		1			1				
					FUNC	TIONAL	rest									
		N	lethod						Frequency			Resu	ılt			
		6 bar p	neumatic tes	st					100 %			OK				
		Handlii	ng inspection	n			100		100 %			OK				
		Visua	l inspection						100 %			OK				

MILANO, 30/05/2023







Data / Date: 30/05/2023

EUROPEAN CASTING INDUSTRY

SRL

Via Lazzaretto, 11 20124 Milano, Italia

Oggetto: CERTIFICATE OF CONFORMITY

Subject: (In compliance with UNI CEI EN 45014 e UNI EN 10204 2.2)

With this document the company ECI SRL. declares that the product at which this certificate referred is in compliance to the technical specifications of our catalogue, to the prescriptions declared in our technical drawings

ARTICLE:

BS302

DESCRIPTION:

BRASS SWING CHECK VALVE METAL SEATED PN16

					CHEMICA	L ANALY	SIS (%)							
Component		ard EN12165 ication limits	Cu	Pb	Sn	Fe	Ni	Al		Si	Р	Sb	As	Zn
Body		MIN MAX	57,0 59,0	1,6 2,2	0,0 0,3	0,0 0,3	0,0 0,1	0,0 0,0		0,00 0,03	1	1	1	Remair
					MECH	ANICAL	EST							
Component	mnonont Data Toneilo Stronght IMPal						eld Streng [Mpa]	ht	Ele	ongation	[%]	Har	dness [H	B]
Body	1	06.03.2023		1			1			1			1	
					FUNC	TIONAL	EST							
		N	Method						Fr	requency	3		Resu	ılt
		6 bar p	neumatic tes	st						100 %			OK	
		Handli	ng inspection	n						100 %			OK	
		Visua	I inspection							100 %			OK	

Milano, 30/05/2023





Data / Date: 30/05/2023

EUROPEAN CASTING INDUSTRY

SRL

Via Lazzaretto, 11 20124 Milano, Italia

Oggetto: CERTIFICATE OF CONFORMITY

Subject: (In compliance with UNI CEI EN 45014 e UNI EN 10204 2.2)

With this document the company ECI SRL. declares that the product at which this certificate referred is in compliance to the technical specifications of our catalogue, to the prescriptions declared in our technical drawings

ARTICLE:

BS501

DESCRIPTION:

Brass Gate Valve PN 16

					CHEMICA	AL ANALY	'SIS (%)						
Component		ard EN12165 ication limits	Cu	Pb	Sn	Fe	Ni	Al	Si	Р	Sb	As	Zn
Body		MIN MAX	57,0 59,0	1,6 2,2	0,0 0,3	0,0 0,3	0,0 0,1	0,0 0,0		1	1	1	Remair
					MECH	ANICAL	EST						
Component	Batch N°	Date	Tensi	Tensile Strenght [MPa] Yeld Str				ht	Elongatio	n [%]	Hai	dness [H	B]
Body	1	1		1			1		1			1	
					FUNC	TIONAL 7	EST						
			Method						Frequenc	у		Resu	ult
		6 bar p	neumatic tes	st					100 %			OK	
		Handli	ng inspection	n					100 %		1114	OK	
		Visua	I inspection						100 %			OK	

Milano, 30/05/2023

