Base Load Power Hub (BLPH)

GENERAL ARRANGEMENTS INCLUDING NAMEPLATE DRAWING PSV

Document Number: 1724000518-IN-DA-00003

Document Class: 2

Rev.	Date	Description	Prepared	Reviewed	Approved
05	16/09/2024	Accepted For Construction (AFC)	Di Virgilio L.	Delponte P.L.	Bianchi R.
04	30/07/2024	Accepted For Construction (AFC)	Di Virgilio L.	Delponte P.L.	Bianchi R.
03	19/06/2024	Accepted For Construction (AFC)	Di Virgilio L.	Delponte P.L.	Bianchi R.
02	29/05/2024	Accepted For Construction (AFC)	Di Virgilio L.	Delponte P.L.	Bianchi R.
01	11/04/2024	Issue for Review (IFR)	Di Virgilio L.	Delponte P.L.	Bianchi R.
00	22/03/2024	Issue for Review (IFR)	Di Virgilio L.	Delponte P.L.	Bianchi R.

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Revision / Change Log

Rev.	Description
00	ISSUE FOR REVIEW (IFR)
01	ISSUE FOR REVIEW (IFR)
02	Accepted For Construction (AFC)
03	Accepted For Construction (AFC)
04	Accepted For Construction (AFC)
05	Accepted For Construction (AFC)

HOLDS LIST

No.	Description
1.	
2.	
3.	
4.	

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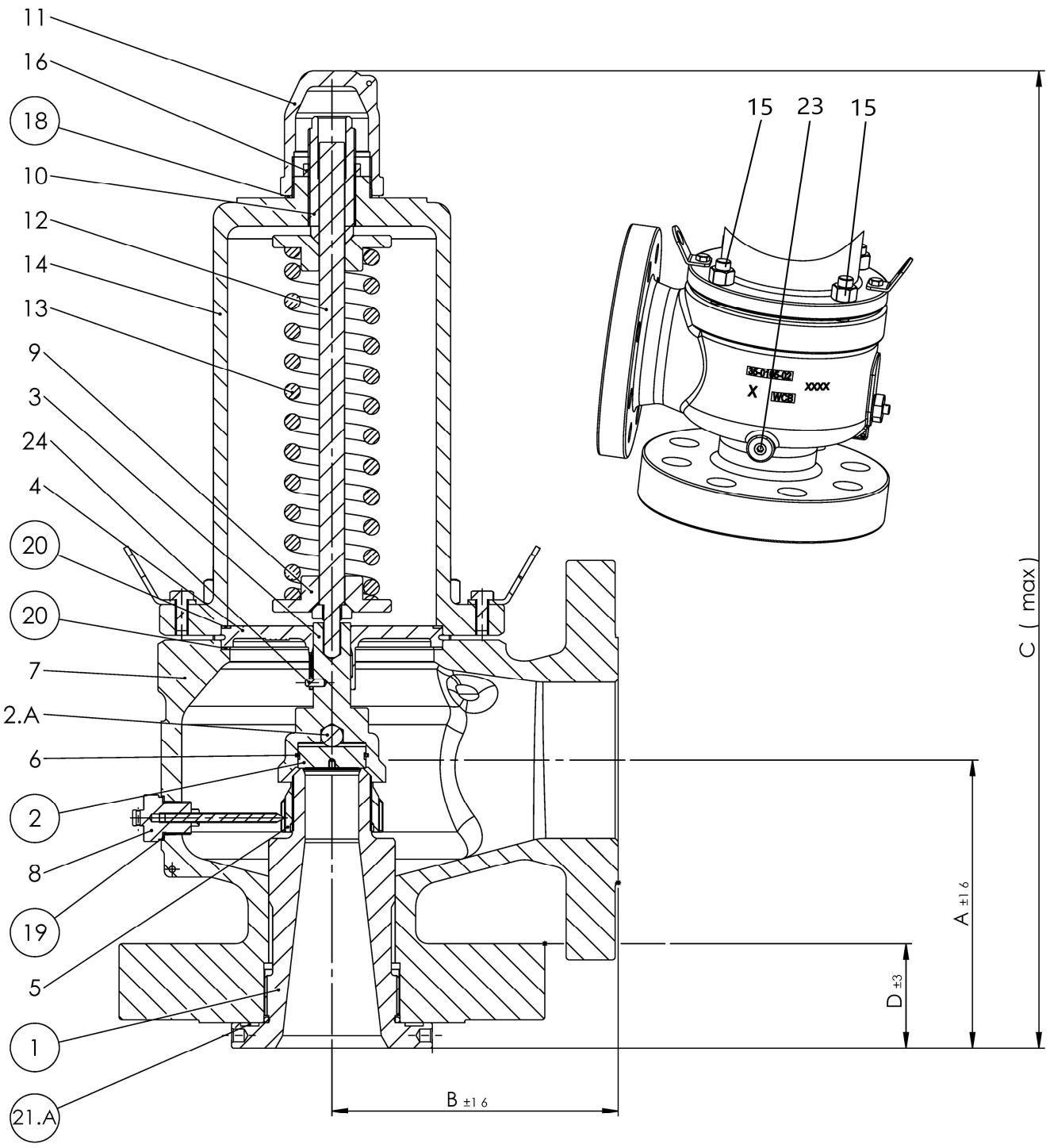
List of PSV covered

Safety Valve Tag No	Model No	Doc No
80-PSV-001	320-K10-5L	23/3962_DWG_1
25-PSV-001A	320-E20-5L	23/3962_DWG_2-3-4-5-6-7
25-PSV-001B	320-K10-5L	23/3962_DWG_2-3-4-5-6-7
25-PSV-001C	320-K10-5L	23/3962_DWG_2-3-4-5-6-7
25-PSV-001D	320-K10-5L	23/3962_DWG_2-3-4-5-6-7
25-PSV-001E	320-K10-5L	23/3962_DWG_2-3-4-5-6-7
25-PSV-001F	320-K10-5L	23/3962_DWG_2-3-4-5-6-7
64-PSV-001	320-D10-L2	23/3962_DWG_8
50-PSV-011	320-D10-F1	23/3962_DWG_9

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recommended spare parts

Overall dimensions in accordance with API 526



Flange dimensions as per ASME B16.5 except for inlet flange thickness that may be higher than minimun specified.

Connections ASME B16.5			Dimensions (mm)						Orifice / area cm²	Weight
INLET	OUTLET	RF	A	B	C max	D	E	F	K	kg
3" 150 RF	4" 150 RF		156	162	615	49			12.94	52

Model	Tag	Job. n°
320-K10-5L	80-PSV-001	23/3962
Customer	**Order. n°**	**Doc. n°**
ROSETTI MARINO spa	1724000518 123A90A	23/3962_DWG_1

Rev.	Date	Description	Prepared	Checked	Approved
1	23/07/2024	MODIFIED GASKETS 18-19-20-21a	DI VIRGILIO L.	TESA C.	BIANCHI R.
0	18/03/2024	ISSUED for ORDER	DI VIRGILIO L.	TESA C.	BIANCHI R.

Type: K1 3" 150 RF

jpg : 320-K10

technical ITALIAN VALVES MANUFACTURER SINCE 1973	Safety valve - 30000 Series - Bill of material	Job. n° 23/3962
	Model 320-K10-5L / Tag 80-PSV-001	SPT-075

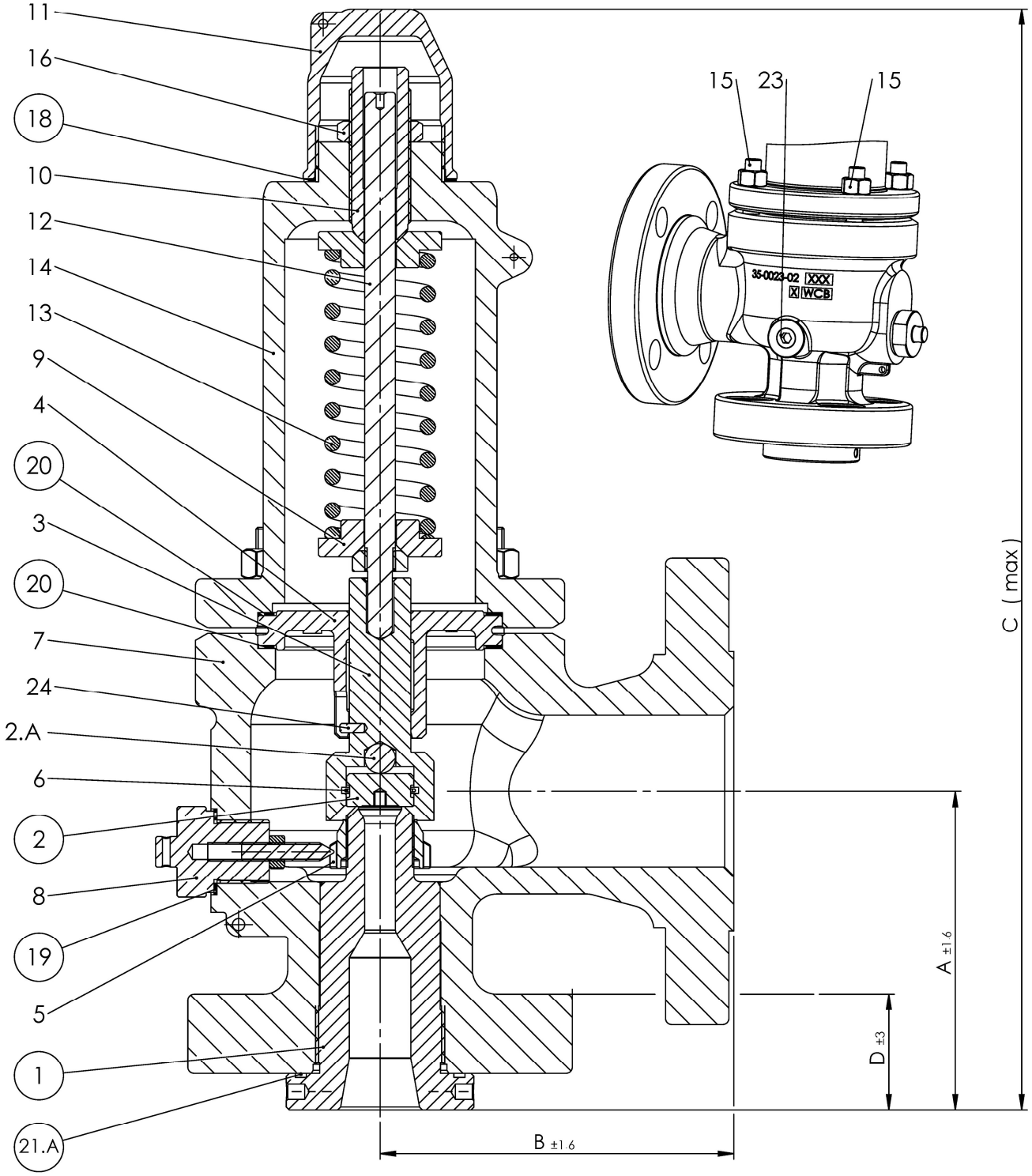
Quantity	Peening	LANGUAGE	IT/EN		TYPE	320	Accessori	0
		MATERIAL CLASS	5L	-	SPRING	36	AISI 316	
		DESCRIZIONE / PART DESCRIPTION			MATERIALE / PART MATERIAL			
	1	Boccaglio / Nozzle			A351 CF3M			
	2	Otturatore / Disc			A479 316L			
	2a	Sfera / Ball			SS 316			
	3	Portaotturatore / Disc-holder			A747 CB7Cu-1			
	4	Guida / Liner			SS 316L			
	5	Anello Blowdown / Blowdown ring			SS 316L			
	6	Anello otturatore / Disc ring			SS 316			
	7	Corpo / Body			A351 CF8M			
	8	Vite blowdown / Blowdown screw			SS 316L			
	9	Piattello molla / Spring washer			STAINLESS STEEL			
	10	Vite taratura / Adjusting screw			SS 431			
	11	Cappello / Cap			A351 CF3M			
	12	Stelo / Stem			SS 316L			
	13	Molla / Spring			AISI 316			
	14	Coperchio / Bonnet			A351 CF8M			
	15	Tiranteria / Bolting - nut			A193 B8M / A194 8M			
	16	Controdado / Lock nut			SS 316L			
	18	Guarnizione / Gasket			FKM			
	19	Guarnizione / Gasket			FKM			
	20	Guarnizione / Gasket			ARAMID FIBER			
	21a	Guarnizione boccaglio / Nozzle gasket			FKM			
	23	Tappo drenaggio / Drain plug			SS 316			
	24	Spina / Pin			SS 316			

Note / Remarks

Rev.	Date	Description	Prepared	Checked	Approved
1	23/07/2024	MODIFIED GASKETS 18-19-20-21a	DI VIRGILIO L.	TESA C.	BIANCHI R.
0	18/03/2024	ISSUED for ORDER	DI VIRGILIO L.	TESA C.	BIANCHI R.

recommended spare parts

Overall dimensions in accordance with API 526



Flange dimensions as per ASME B16.5 except for inlet flange thickness that may be higher than minimun specified.

Connections ASME B16.5			Dimensions (mm)						Orifice / area cm²	Weight
INLET	OUTLET	RF	A	B	C max	D	E	F	E	kg
1" 300 RF	2" 150 RF		105	115	380	37.5			1.389	15

Model: 320-E20-5L	Tag: 25-PSV-001A/B/C/D/E/F			Job. n°: 23/3962	
Customer: ROSETTI MARINO spa	Order. n°: 1724000518 123A90A			Doc. n°: 23/3962_DWG_2-3-4-5-6-7	
1	23/07/2024	MODIFIED GASKETS 18-19-20-21a	DI VIRGILIO L.	TESA C.	BIANCHI R.
0	18/03/2024	ISSUED for ORDER	DI VIRGILIO L.	TESA C.	BIANCHI R.
Rev.	Date	Description	Prepared	Checked	Approved

technical VIGNATE - MI - ITALY

Type: E2 1" 300 RF

jpg : 320-E20

tecHnical ITALIAN VALVES MANUFACTURER SINCE 1973	Safety valve - 30000 Series - Bill of material	Job. n° 23/3962
	Model 320-E20-5L / Tag 25PSV-001A/B/C/D/E/F	SPT-075

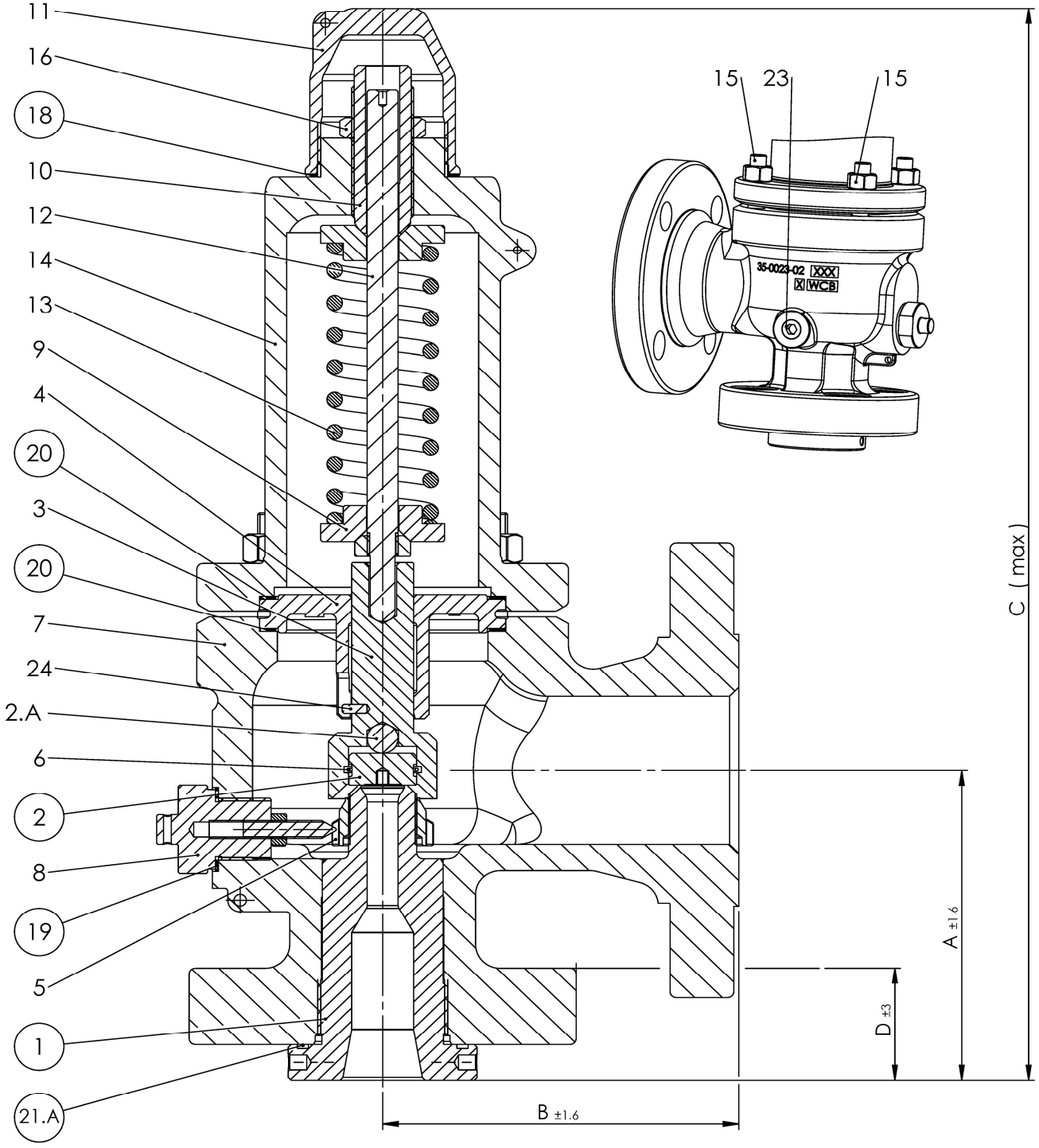
Quantity	Peening	DESCRIZIONE / PART DESCRIPTION	MATERIALE / PART MATERIAL
		LANGUAGE IT/EN	**TYPE** 320 — **Accessori** 0
		MATERIAL CLASS 5L -	**SPRING** 36 — AISI 316
	1	Boccaglio / Nozzle	A479 316L
	2	Otturatore / Disc	A479 316L
	2a	Sfera / Ball	SS 316
	3	Portaotturatore / Disc-holder	A747 CB7Cu-1
	4	Guida / Liner	SS 316L
	5	Anello Blowdown / Blowdown ring	SS 316L
	6	Anello otturatore / Disc ring	SS 316
	7	Corpo / Body	A351 CF8M
	8	Vite blowdown / Blowdown screw	SS 316L
	9	Piattello molla / Spring washer	STAINLESS STEEL
	10	Vite taratura / Adjusting screw	SS 431
	11	Cappello / Cap	A351 CF3M
	12	Stelo / Stem	SS 316L
	13	Molla / Spring	AISI 316
	14	Coperchio / Bonnet	A351 CF8M
	15	Tiranteria / Bolting - nut	A193 B8M / A194 8M
	16	Controdado / Lock nut	SS 316L
	18	Guarnizione / Gasket	FKM
	19	Guarnizione / Gasket	FKM
	20	Guarnizione / Gasket	ARAMID FIBER
	21a	Guarnizione boccaglio / Nozzle gasket	FKM
	23	Tappo drenaggio / Drain plug	SS 316
	24	Spina / Pin	SS 316

Note / Remarks

Rev.	Date	Description	Prepared	Checked	Approved
1	23/07/2024	MODIFIED GASKETS 18-19-20-21a	DI VIRGILIO L.	TESA C.	BIANCHI R.
0	18/03/2024	ISSUED for ORDER	DI VIRGILIO L.	TESA C.	BIANCHI R.

recommended spare parts

Overall dimensions in accordance with API 526



Flange dimensions as per ASME B16.5 except for inlet flange thickness that may be higher than minimun specified.

Connections ASME B16.5			Dimensions (mm)						Orifice / area cm²	Weight
INLET	OUTLET	RF	A	B	C max	D	E	F	D	kg
1" 150 RF	2" 150 RF		105	115	380	37.5			0.785	15

Model	Tag	Job. n°
320-D10-L2	64-PSV-001 64-PSV-001_S	23/3962
Customer	**Order. n°**	**Doc. n°**
ROSETTI MARINO spa	1724000518 123A90A	23/3962_DWG_8

Rev.	Date	Description	Prepared	Checked	Approved
1	17/04/2024	ADD. VALVE	DI VIRGILIO L.	PASQUALINI C.	BIANCHI R.
0	18/03/2024	ISSUED for ORDER	DI VIRGILIO L.	PASQUALINI C.	BIANCHI R.

technical VIGNATE - MI - ITALY

Type: D1 1" 150 RF

jpg : 320-D10

tecHnical ITALIAN VALVES MANUFACTURER SINCE 1973	Safety valve - 30000 Series - Bill of material		Job. n° 23/3962
	Model 320-D10-L2	Tag 64-PSV-001 64-PSV-001_S	SPT-075

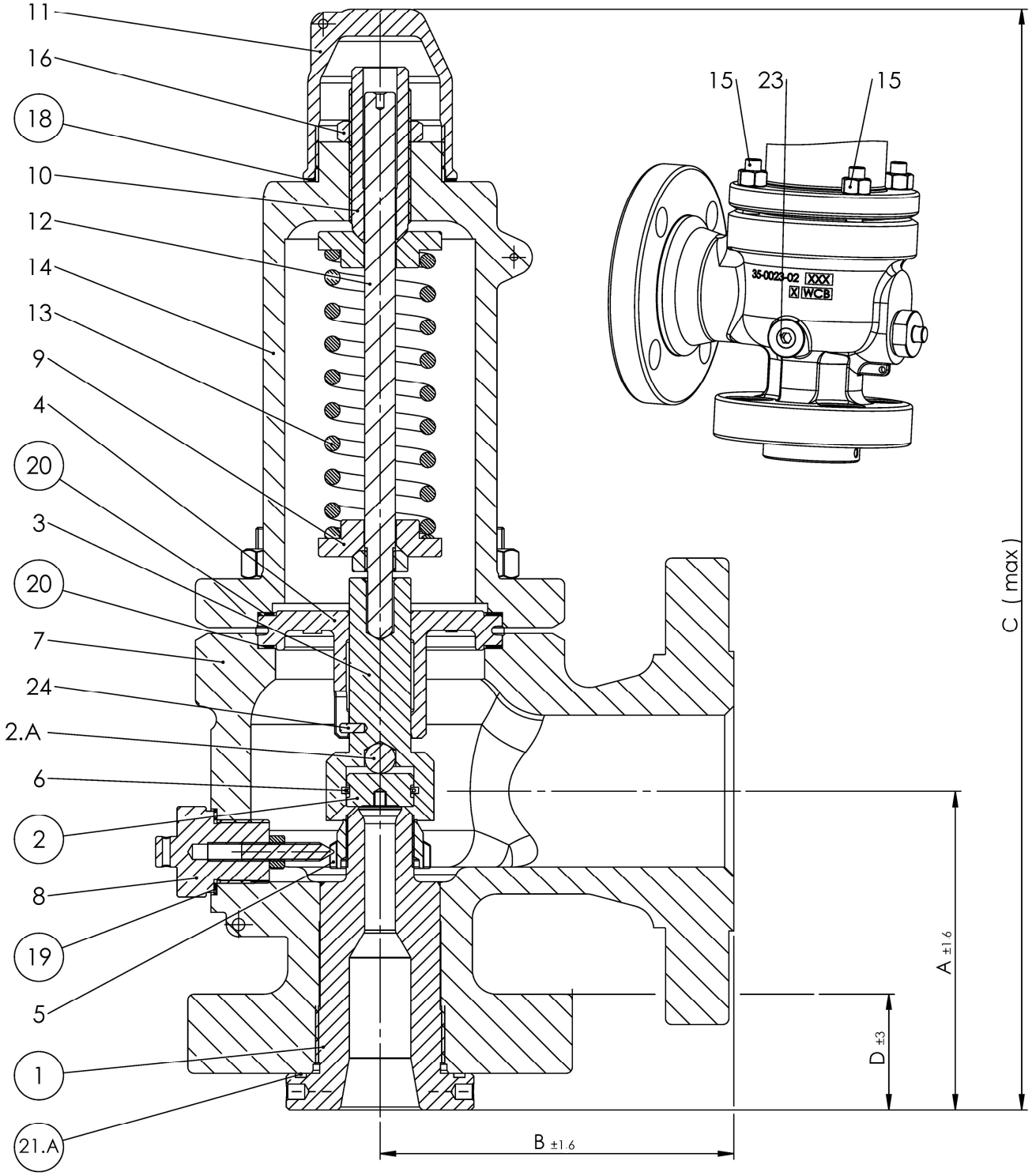
Quantity	Peening	LANGUAGE	IT/EN		TYPE	320	Accessori	0
		MATERIAL CLASS	L2	-	SPRING	36	AISI 316	
		DESCRIZIONE / PART DESCRIPTION			MATERIALE / PART MATERIAL			
	1	Boccaglio / Nozzle			A479 316L			
	2	Otturatore / Disc			A479 316L			
	2a	Sfera / Ball			SS 420			
	3	Portaotturatore / Disc-holder			A747 CB7Cu-1			
	4	Guida / Liner			SS 316L			
	5	Anello Blowdown / Blowdown ring			SS 316L			
	6	Anello otturatore / Disc ring			SS 316			
	7	Corpo / Body			A352 LCB			
	8	Vite blowdown / Blowdown screw			SS 316L			
	9	Piattello molla / Spring washer			STAINLESS STEEL			
	10	Vite taratura / Adjusting screw			SS 431			
	11	Cappello / Cap			A352 LCB			
	12	Stelo / Stem			SS 316L			
	13	Molla / Spring			AISI 316			
	14	Coperchio / Bonnet			A352 LCB			
	15	Tiranteria / Bolting - nut			A193 B8M / A194 8M			
	16	Controdado / Lock nut			SS 316L			
	18	Guarnizione / Gasket			ARMED GRAPHITE			
	19	Guarnizione / Gasket			ARMED GRAPHITE			
	20	Guarnizione / Gasket			ARMED GRAPHITE			
	21a	Guarnizione boccaglio / Nozzle gasket			ARMED GRAPHITE			
	23	Tappo drenaggio / Drain plug			SS 316			
	24	Spina / Pin			SS 316			

Note / Remarks

Rev.	Date	Description	Prepared	Checked	Approved
1	17/04/2024	ADD. VALVE	DI VIRGILIO L.	PASQUALINI C.	BIANCHI R.
0	18/03/2024	ISSUED for ORDER	DI VIRGILIO L.	PASQUALINI C.	BIANCHI R.

recommended spare parts

Overall dimensions in accordance with API 526



Flange dimensions as per ASME B16.5 except for inlet flange thickness that may be higher than minimun specified.

Connections ASME B16.5			Dimensions (mm)						Orifice / area cm²	Weight
INLET	OUTLET	RF	A	B	C max	D	E	F	D	kg
1" 150 RF	2" 150 RF		105	115	380	37.5			0.785	15

Model: 320-D10-F1	Tag: 50-PSV-011			Job. n°: 24/3962	
Customer: ROSETTI MARINO spa	Order. n°: 1724000518 123A90A			Doc. n°: 24/3962_DWG_9	
0	19/06/2024	ISSUED for ORDER	DI VIRGILIO L.	TESA C.	BIANCHI R.
Rev.	Date	Description	Prepared	Checked	Approved

technical VIGNATE - MI - ITALY

Type: D1 1" 150 RF

jpg : 320-D10

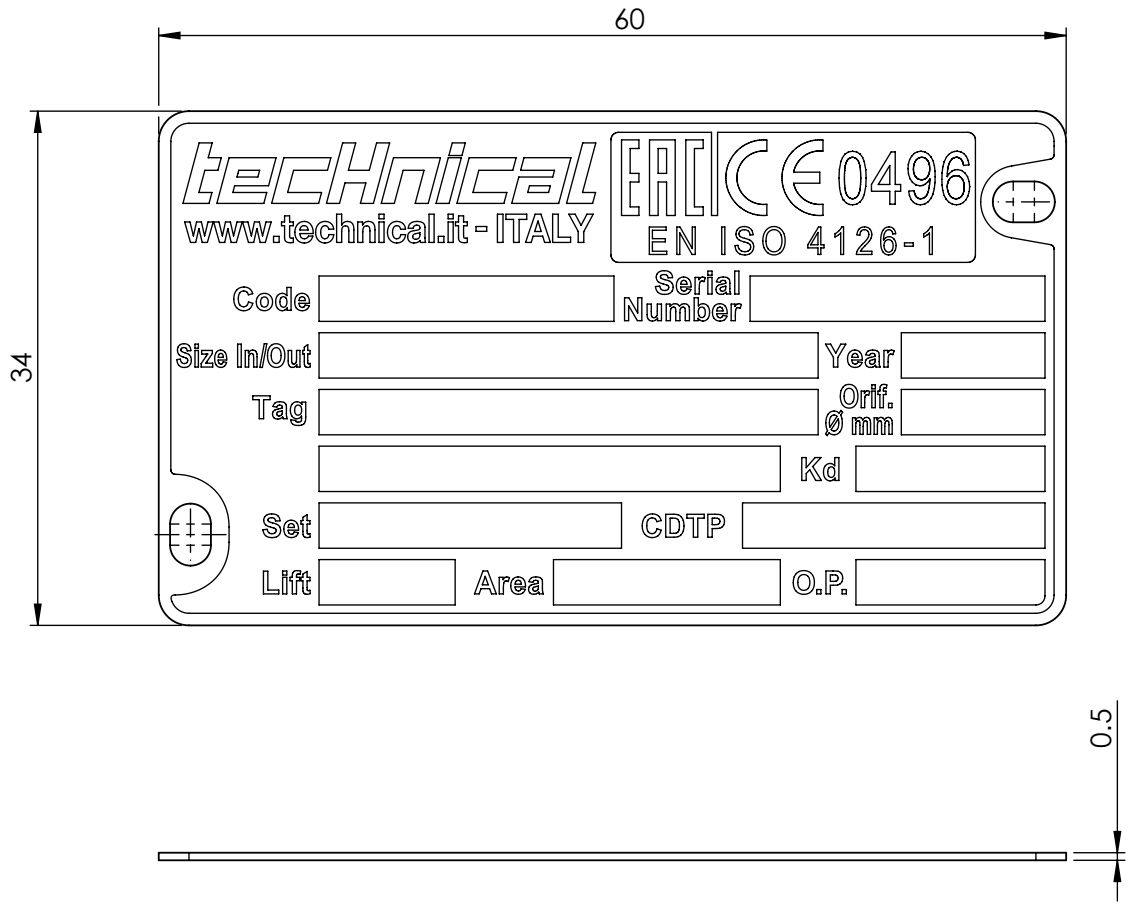
tecHnical ITALIAN VALVES MANUFACTURER SINCE 1973	Safety valve - 30000 Series - Bill of material		Job. n° 24/3962
	Model 320-D10-F1	Tag 50-PSV-011	SPT-075

Quantity	Peening	LANGUAGE	IT/EN		TYPE	320	Accessori	0
		MATERIAL CLASS	F1	-	SPRING	36	AISI 316	
		DESCRIZIONE / PART DESCRIPTION			MATERIALE / PART MATERIAL			
	1	Boccaglio / Nozzle			A479 S32750			
	2	Otturatore / Disc			A479 S32750			
	2a	Sfera / Ball			SS 316			
	3	Portaotturatore / Disc-holder			A995 5A / SAF 2507			
	4	Guida / Liner			A995 5A / SAF 2507			
	5	Anello Blowdown / Blowdown ring			SS 316L			
	6	Anello otturatore / Disc ring			SS 316			
	7	Corpo / Body			A995 5A			
	8	Vite blowdown / Blowdown screw			SAF 2507			
	9	Piattello molla / Spring washer			STAINLESS STEEL			
	10	Vite taratura / Adjusting screw			SAF 2507			
	11	Cappello / Cap			A995 5A			
	12	Stelo / Stem			SS 316L			
	13	Molla / Spring			AISI 316			
	14	Coperchio / Bonnet			A995 5A			
	15	Tiranteria / Bolting - nut			A193 B8M / A194 8M			
	16	Controdado / Lock nut			SS 316L			
	18	Guarnizione / Gasket			ARMED GRAPHITE			
	19	Guarnizione / Gasket			ARMED GRAPHITE			
	20	Guarnizione / Gasket			ARMED GRAPHITE			
	21a	Guarnizione boccaglio / Nozzle gasket			ARMED GRAPHITE			
	23	Tappo drenaggio / Drain plug			SS 316			
	24	Spina / Pin			SS 316			

Note / Remarks

Rev.	Date	Description	Prepared	Checked	Approved
0	19/06/2024	ISSUED for ORDER	DI VIRGILIO L.	TESA C.	BIANCHI R.

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Trattamento termico / *heat treatment*

Protezione Superficiale / *surface treatment*

technical
VIGNATE - MI - ITALY

Indicazioni Generali
General Notes

Indicazione Toll.Geometriche
Geometrical tolerancing
UNI 7226

Rugosità Superficiale
Surface Roughness

//	⊥	◎	⏥	Ra ▽3 µm
0.2 %		Ø 0.1	0.1	

Tolleranze Generali
General tolerances
ISO 2768 - m

Dimensioni / Dimension	to 6	from 6 to 30	from 30 to 120	over 120
Tolleranze / Tolerances	± 0.1	± 0.2	± 0.3	± 0.5
Angoli / Angles	± 30'	Raggi Angoli/Spigoli / Corners/Edges Radii		0.2-0.5

Filettatura Profilo ISO
Threads ISO profile Tolerance
6g/6H

MATERIALE
material

Pos.	Description Review	Signature	Date
1	[MT] invertite pos. scritte tag & size	Di Virgilio L.	24/05/2023
0			
0			
0			

Grezzo/*Rough*

Formato/*format* A4

Scala/*scale* 1:1

Peso/*weight* Kg

	DESIGNER	CHECKED	APPROVED
DATE	22/05/2023	22/05/2023	22/05/2023
NAME	Di Virgilio L.	Di Virgilio L.	Delponte P.L.

Descrizione / *description*
TARG. PED ISO 4126-1 2023 20000 EN

Codice disegno / *code drawing* 00-0227-00

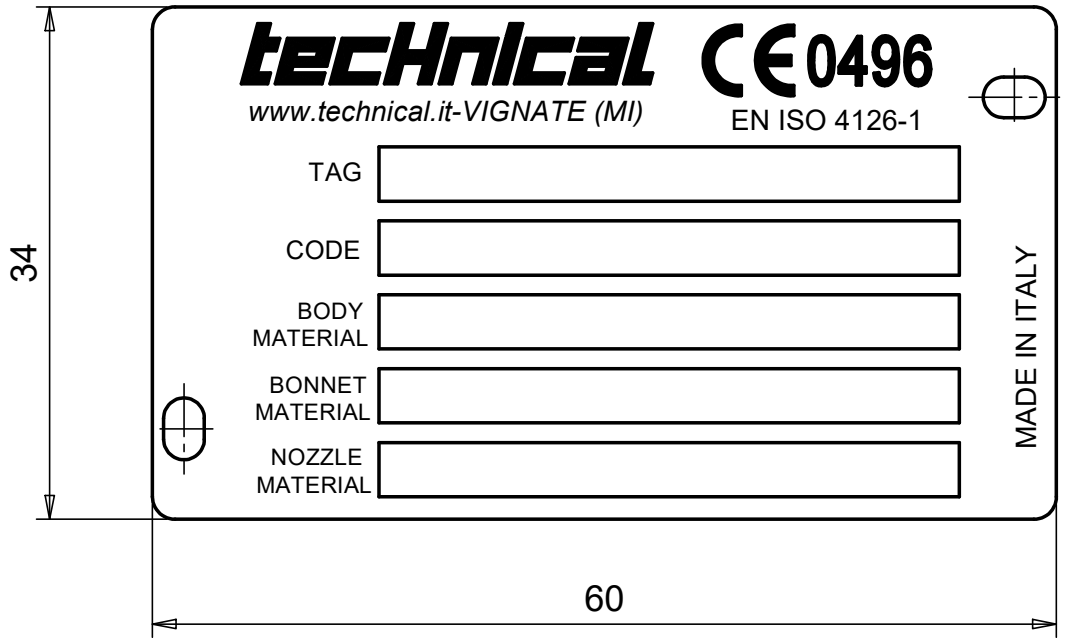
REVISIONE / *revision* 1

MODULO: UTE 046 10/13

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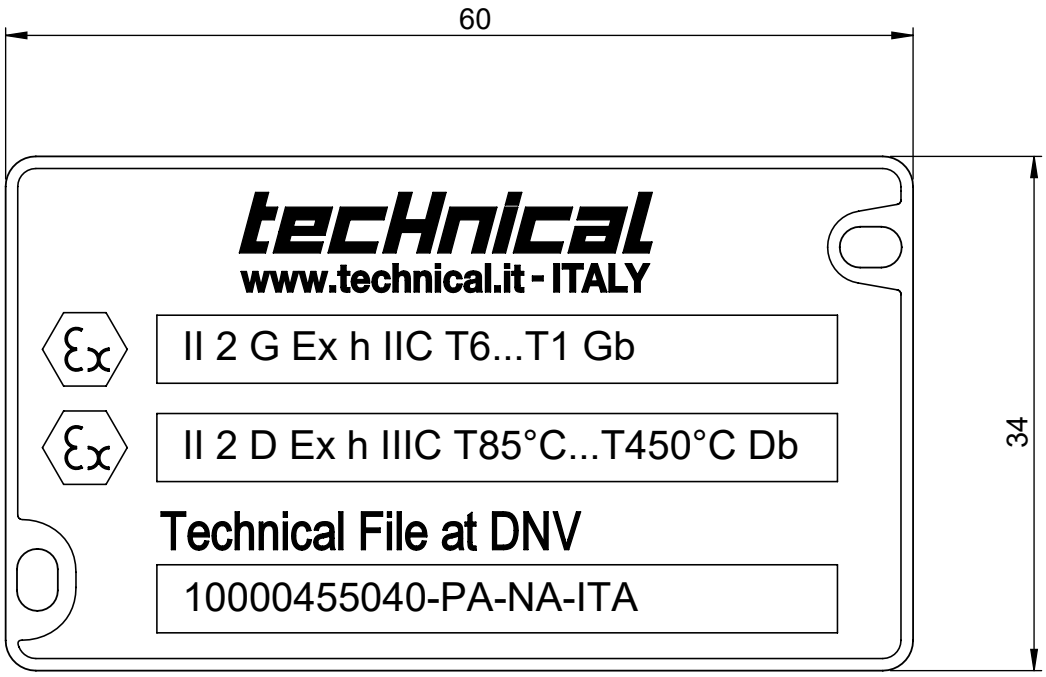
ADDITIONAL NAMEPLATE



THICKNESS = 0.5 mm

TRATTAMENTO TERMICO *heat treatment*									
	Indicazioni Generali General Notes				PROTEZIONE SUPERFICIALE - *surface treatment*				technical VIGNATE - MI - ITALY
Indicazione Toll.Geometriche Geometrical tolerancing UNI 7226				Rugosità Superficiale Surface Roughness	MATERIALE *material* AISI 316				
//	⊥	◎	⌯	Ra 3 µm					
0.2 %		ø 0.1	0.1						
Tolleranze Generali General tolerances	ISO 2768 - m				POS.	DESCRIPTION REVIEW		SIGNATURE	DATE
Dimensioni Dimension	to 6	from 6 to 30	from 30 to 120	over 120	NOTE *note* 00-0220-00		DESIGNER	CHECKED	APPROVED
Tolleranze Tolerances	± 0.1	± 0.2	± 0.3	± 0.5	Formato *format* A4V	DATE	18/03/2024	18/03/2024	18/03/2024
Angoli Angles	± 30'	Raggi Angoli/Spigoli Corners/Edges Radii		0.2-0.5	SCALA *scale* 1:1	NAME	Di Virgilio L.	Di Virgilio L.	Delponte P.L.
Filettature Profilo ISO Threads ISO profile Tolerance	6g / 6H				PESO NETTO *weight* 0 kg	DESCRIZIONE *description* ADD.NAMEPLATE 60x34 BODY-BON-NOZ			
						Codice disegno *code drawing* 99-0391-00		VERSIONE *revision* 0	

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Trattamento termico / *heat treatment*

Indicazioni Generali
General Notes

Protezione Superficiale / *surface treatment*

technical
VIGNATE - MI - ITALY

Indicazione Toll.Geometriche
Geometrical tolerancing UNI 7226

//	⊥	◎	⌭
0.2 %		Ø 0.1	0.1

Rugosità Superficiale
Surface Roughness

Ra $\overset{3}{\nabla}$ µm

Tolleranze Generali
General tolerances ISO 2768 - m

Dimensioni Dimension	to 6	from 6 to 30	from 30 to 120	over 120
Tolleranze Tolerances	± 0.1	± 0.2	± 0.3	± 0.5
Angoli Angles	± 30'	Raggi Angoli/Spigoli Corners/Edges Radii		0.2-0.5

Filettatura Profilo ISO
Threads ISO profile Tolerance 6g/6H

MATERIALE *material* Aisi 316

Pos.	Description Review	Signature	Date
0			
0			
0			
0			

Grezzo/*Rough*
00-0222-00

Formato/*format*
A4

Scala/*scale*
2:1

Peso/*weight*
0.01 Kg

	DESIGNER	CHECKED	APPROVED
DATE	14/04/2021	28/04/2021	28/04/2021
NAME	Di Virgilio L.	Di Virgilio L.	Santi C.

Descrizione / *description*
TARGA ATEX C VALVOLE SICUREZZA

Codice disegno *code drawing* 99-0362-30

REVISIONE *revision* 0

MODULO: UTE 046 10/13