

# EU DESIGN EXAMINATION CERTIFICATE

Certificate No.:  
C712261

Initial date:  
02 December, 2024

This certificate consists of 4 pages

This is to certify that the design of products manufactured by:

**PEROLO SAS**  
69 rue des Maçons, 3390 Blaye, France

have been assessed with respect to the conformity assessment procedure described in:  
**ANNEX III MODULE H1 OF DIRECTIVE 2014/68/EU ON PRESSURE  
EQUIPMENT**

and found to comply with the requirements in Annex I – Essential Safety Requirements of the  
Directive.

This certificate is valid for the following scope:

Type of Pressure Equipment	<b>Safety accessories</b>
Product Name	<b>MEGA SUPERVENTIX</b>
Product Version	<b>DN65 – bride (flanged) DN65 – filet BSP (threaded BSP) DN80 – bride (flanged)</b>

Place and date:  
Vimercate, 02 December, 2024

Check Validity



N° 0003 PRD

Membro degli Accordi di Mutuo  
Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC  
Mutual Recognition Agreements

For the issuing office:  
Notified Body 0496, Italy  
DNV Business Assurance Italy S.r.l.



**Maurizio Bellina**  
Management Representative

### Jurisdiction

Application of Directive 2014/68/EU and Decreto Legislativo n. 26 of 15 February 2016.

### Certificate history:

Revision	Description	Issue Date
00	First Issue	02 December, 2024

### Products covered by this Certificate:

Product Name	Product Description	Product version	PED Category	Product standard
MEGA SUPERVENTIX	Safety valves to protect tanks against overpressure and vacuum.	DN65 – bride (flanged) DN65 – filet BSP (threaded BSP) DN80 – bride (flanged)	IV	EN ISO 4126-1:2013 EN 13445:2021

### Design data:

	DN65 – bride (flanged)	DN65 – filet BSP (threaded BSP)	DN80 – bride (flanged)
PS, min/max (barg)	-0.41 / 7.4		
Min/max allowable pressure	1864		
Set pressure (barg)	0.5 to 4.4		
Vacuum set setting (barg)	-0.05 / -0.41		
PT (barg)	16.6		
TS, min/max (°C)	-50 / 190		
DN	65		80
Service	gas		
Corrosion Allowance (mm)	0		
Flame proof protection	12%	-	12%
Certified de-rated coefficient of discharge $K_{dr}$	See document: MOP M.6 Annexe débit des vannes de surpression PEROLO		

### Applications/limitations:

- Body material is limited to material 1.4408 according EN 10213
- Service: gas only

## Documents reviewed:

Document No	Rev	Date	Title	Status*)
<b>General</b>				
MOP M.6	AC	05/11/24	Test and Inspection Plan	FI
250/05/53	4	04/10/24	Essential Safety Requirements – PED Annex I	FI
NC86	7	23/04/24	SAFETY RELIEF VALVE MEGASUPERVENTIX According EN13445	FI
DN 65 mega certified flow	-	-	Test report	FI
MEGA DN65 FULL FLOW MEASUREMENT	0	16/10/24	MEGA SUPERVENTIX MX65 FULL FLOW MEASUREMENT	FI
16-072 D8215	3	14/12/2017	Test report Valve testing in air	FI
MEGA DN80 FULL FLOW MEASUREMENT	1	5/11/24	MEGA SUPERVENTIX MX80 FULL FLOW MEASUREMENT	FI
MEGA DN80 Full Flow Measurement - Annexe 1	-	-	MEGA DN80 Full Flow Measurement	FI
MEGA DN80 FULL FLOW MEASUREMENT - Annexe 2 - mesures Perolo	-	16/10/24	MEGA SUPERVENTIX MX80 FULL FLOW MEASUREMENT Annexe 2	FI
MOP M.6 Annexe débit des vannes de surpression PEROLO rev M	M	16/10/2024	PEROLO PRESSURE RELIEF VALVES FLOW RATES	FI
MOP 4.7	B	-	Qualification des performances des soupapes de sécurité	FI
F 4.4 11-24	0	17/06/24	Flow measurements – flame proof protection 12%	FI
19-072 D9940	1	12/02/19	Test report Valve testing in air	FI
PWA 1110262000	P	-	Specification sheet BSP MEGA SUPERVENTIX	FI
PWA 1110263000	K	-	Installation sheet BSP MEGA SUPERVENTIX	FI
PWA 1110264000	K	-	Maintenance sheet BSP MEGA SUPERVENTIX	FI
PWA 1110512000	H	-	Specification sheet DN65 FLANGED MEGA SUPERVENTIX	FI
PWA 1110513000	E	-	Installation sheet DN65 FLANGED MEGA SUPERVENTIX	FI
PWA 1110514000	H	-	Maintenance sheet DN65 FLANGED MEGA SUPERVENTIX	FI
PWA 1110242000	N	-	Specification sheet FLANGED MEGA SUPERVENTIX 3" DN80	FI
PWA 1110243000	H	-	Installation sheet FLANGED MEGA SUPERVENTIX 3" DN80	FI
PWA 1110244000	J	-	Maintenance sheet FLANGED MEGA SUPERVENTIX 3" DN80	FI
PWA 1110233000	C	-	Installation sheet HIGH FLOW FLANGED MEGA SUPERVENTIX 3" DN80	FI
S161	1	06/03/2023	Raw material purchasing	FI

<b>Mega DN80 bride (flanged) - drawings</b>				
110240000	Y	09/10/2024	SOPUPAGE MEGA SUPERVENTIX DN80 à BRIDE PRESSION/DEPRESSION – MEGA SUPERVENTIX FLANGED RELIEF VALVE 3" PRESSURE VACUUM	A
1110170009	H	01/12/2021	CORPS DN80 PN10-diam.82 "Mega SUPERVENTIX" A BRIDE 3" FLANGED BODY 3" PN10	FI
1110170011	A	10/06/2010	CORPS A BRIDE DN80 PN10 MEGA AVEC PROTECTION MANO BODY FLANGE 3" NP10 WITH GAUGE PROTECTION	FI
1110170015	A	12.11.12	CORPS MEGA DN80 à bride	FI
1110170017	B	11/04/17	CORPS DN80 PN10-diam.82 "Mega SUPERVENTIX" A BRIDE 3" FLANGED BODY 3" PN10	FI
1110244000	C	05.05.22	COPRS PERCE MEGASUPERVENTIX DN80 8 X D18 PCD 160 DIN 2527 / DRILLED BODY 3"	FI
<b>Mega DN65 filet (threaded) - drawings</b>				
1110260000	Q	09/10/2024	SOUPAPE DE SURETE "Mega SUPERVENTIX" DN65 (2"1/2 – pressure vacuum RELIEF VALVE PLAN DE BASE DESP	A
1110010005	G	05/08/08	CORPS USINE – soupape de sécurité "MEGA SUPERVENTIX" MACHINED BODY 2.5" MEGASUPERVENTIX	FI
<b>Mega DN65 bride (flanged) - drawings</b>				
1110510000	G	09/10/2024	soupape "Mega SUPERVENTIX" DN65 A BRIDE PED "Mega SUPERVENTIX" – Body Flanged Relief Valve 2"1/2 PLAN DE BASE DESP	A
1110091000	Q	01/12/2021	CORPS-BRIDE MEGA DN65 USINE AVEC PIQUAGE – 4 TROUS OBLONGS FLANGED BODY 2.5"	FI
1110093000	E	01/12/2021	CORPS-BRIDE MEGASUPERVENTIX USINE DN65 4 TROUS ø152.4 AVEC PIQUAGE	FI

\*) A=Approved, FI=For information

### Terms and conditions:

This certificate does not give the manufacturer the right to CE mark and put on the market the product(s) listed on this certificate. The product(s) must be manufactured under a Full Product Quality Management System according to Module H1, in order to allow the manufacturer to draw up an EU declaration of conformity and legally affix the CE mark followed by the Notified Body identification number (0496) of DNV Business Assurance Italy S.r.l.

Other valid terms and conditions are found in the DNV's PED Certification Requirements.

End of Certificate