



LAS CERTIFICACIONES DE NUESTRA
GAMA **P**REVOST **P**IPING **S**YSTEM



CONNECTED TO INNOVATION

Las certificaciones de nuestros productos **PPS**

LOS PRODUCTOS Prevest

son imprescindibles para crear una red de aire de calidad. Evolutivos y perfectamente dimensionados para sus necesidades, se adaptan a todas las estructuras de los edificios.

- Desde 1978, **Prevest** desarrolla, fabrica y comercializa una gama completa de productos adaptados para las instalaciones de redes de aire, de fluidos y de puesta al vacío. Los productos **PPS** tienen una garantía de 10 años tras su instalación.



La **innovación** y la **calidad** son dos valores básicos que convierten a **Prevest** en un actor clave en los ámbitos de actividad que utilizan energías neumática e hidráulica en numerosos sectores industriales:

- Automóvil
- Construcción
- Industria del plástico
- Industria textil
- Industria médica y farmacéutica
- Transformación de los alimentos
- Aeronáutica y sector ferroviario
- Electrónica
- Logística, automoción, etc.

Una de nuestras prioridades es ofrecer productos que combinen prestaciones, calidad y seguridad en el conjunto de nuestras gamas. El departamento de I+D trabaja en la mejora constante de nuestra oferta y hace todo lo posible para garantizar la certificación y la conformidad de nuestros productos.

- **Prevest** comercializa productos diseñados, probados y validados por sus equipos técnicos, y certificados por organismos independientes y de referencia.

■ CONECTADO A LA CERTIFICACIÓN

Prevest garantiza la calidad de la gama pps, respetando unas estrictas especificaciones internas.

Se basa en numerosas certificaciones que garantizan la **calidad de nuestros productos**:

- Organización industrial **ISO 9001**
- La conformidad con las legislaciones vinculadas a los equipos a presión
- Una buena clasificación de reacción al fuego
- Una conformidad con algunas zonas clasificadas con riesgo de explosión **ATEX**
- Una buena clasificación relativa a la calidad de los fluidos

Las certificaciones de nuestros productos **PPS**

■ NUESTRAS CERTIFICACIONES EN EL MUNDO

ASME B31.1
 ASME B31.3
 TSSA
 SILICON FREE
 OIL FREE
 UV RESISTANT
 QUALICAT
 TUV SUD
 2014/68/EU
 ATEX
 EN 13511

* Prevost Italia

■ LAS CERTIFICACIONES POR ÁMBITO DE APLICACIÓN

Organización industrial



* Prevost Italia



Equipos a presión



Seguridad y protección



Limpieza de los fluidos



Medio ambiente



Organización industrial

UNA ORGANIZACIÓN DE LA CALIDAD



CERTIFICACIÓN ISO 9001

Prevost se basa en unas competencias reconocidas por el TÜV

- Investigación y desarrollo, diseño y gestión de las operaciones de fabricación, ensamblaje y control de calidad de los productos para las aplicaciones de las instalaciones de aire comprimido y otros fluidos.



QPS-ASME CERTIFICACIÓN

- Investigación y desarrollo, diseño y gestión de las operaciones de fabricación, ensamblaje y control de calidad de los productos para las aplicaciones de las instalaciones de aire comprimido y otros fluidos.



CERTIFICATO

Nr. 50 100 13996 - Rev. 001
 Si attesta che / This is to certify that

IL SISTEMA QUALITÀ DI
 THE QUALITY SYSTEM OF
PREVOST S.a.s.

SEDE LEGALE / REGISTERED OFFICE:
**RUE DU PRE FAUCON 15
 F-74940 ANNECY LE VIEUX**

SEDE OPERATIVA / OPERATIONAL SITE:
**LOCALITÀ TERRAROSSA 3A/17
 I-16042 CARASCO (GE)**

È CONFORME AI REQUISITI DELLA NORMA
 HAS BEEN FOUND TO COMPLY WITH THE REQUIREMENTS OF
UNI EN ISO 9001:2015

QUESTO CERTIFICATO È VALIDO PER IL SEGUENTE CAMPO DI APPLICAZIONE
 THIS CERTIFICATE IS VALID FOR THE FOLLOWING SCOPE:

Ricerca e sviluppo, design, gestione della fabbricazione, assemblaggio, collaudi e analisi tecniche di componenti per impianti di aria compressa e distribuzione di fluidi in pressione (MPS, IS)

Research and development, design, manufacturing management, assembly operations, control and technical analysis of components for compressed air installations and fluids distribution (MPS, IS)

ACCREDIA
 Per l'Organismo di Certificazione
 For the Certification Body
TÜV Italia S.r.l.

ROD N° 0454
 Nominato dal Comitato di Norme Tecniche
 by the CEN
 Responsabile TÜV, IAF and IAF/IRAP
 Accredited Representative
Andrea Cocchia
 Quality Systems Business Assurance

Prima Certificazione / First Certification: 2017-06-07
 DATA DI SCADENZA DELLA PRIMA FASE DI CERTIFICAZIONE: 2020-06-06
 EXPIRATION DATE OF THE FIRST CERTIFICATION PHASE: 2020-06-06

LA VALIDITÀ DEL PRESENTE CERTIFICATO È SOTTOPOSTA A VERIFICA PERIODICA E SEDE È IL MESSAGGIO COMPILATO DEL SISTEMA DI
 THE VALIDITY OF THE PRESENT CERTIFICATE DEPENDS ON THE PERIODIC SURVEILLANCE VISITS TO THE SITE AND ON THE COMPLETE REVIEW OF
 COMPANY'S MANAGEMENT SYSTEMS TO THE SCOPE

TÜV Italia S.r.l. - Gruppo TÜV SÜD - Via Caracciolo 125, P.le. 23 - 20098 Sesto San Giovanni (MI) - Italia - www.tuv.it



The American Society of Mechanical Engineers

QUALITY PROGRAM SUPPLIER CERTIFICATE

This certifies the named company as having had the adequacy of their quality program verified for the scope of the activity to the rules of the ASME QPS Standard, Quality Program Suppliers: General Industry. This certificate does not include authorization to use the ASME Single Certification Mark. The certification granted by this certificate is subject to the provisions of the agreement set forth in the application. The items produced under this certificate will have been produced strictly in accordance with the provisions of the ASME QPS Standard, Quality Program Suppliers: General Industry.

COMPANY:
PREVOST S.a.s
 Via Terrarossa 3A/17
 Carasco (GE), 16042
 Italy

SCOPE:
 Controlling quality processes as a manufacturer of pipe fittings and subassemblies for compressed air and pressurized fluid systems with certificates of conformance signed by the Quality Manager, at the above location only. Manufacturing activities encompass design, research and development, assembly and testing

AUTHORIZED: December 15, 2023
 CERTIFICATE NUMBER: QPS-1

Richard C. Miller
 Board Chair,
 Conformity Assessment



Matthew Vongvoras
 Senior Director,
 Engineering Operations

Equipos a presión



■ LAS EXIGENCIAS RELATIVAS A LOS EQUIPOS A PRESIÓN



DESP-2014/68/EU

EL organismo TÜV certifica que los productos **Prevost** responden a las exigencias de la Directiva Equipos a Presión **DESP 2014/68/UE**.

■ Por tanto, **Prevost** cumple las exigencias europeas (CE).

ZERTIFIKAT ◆ CERTIFICATE ◆ 証明書 ◆ CERTIFICADO ◆ CERTIFICAT



Attestato/Statement

Nr. I-722206844/19

Si attesta che / This is to certify that

PREVOST S.a.s.

SEDE LEGALE:
REGISTERED OFFICE:
RUE DU PRE' FAUCON 15
F-74092 ANNECY LE VIEUX

SEDE OPERATIVA:
OPERATIONAL SITE:
LOCALITÀ TERRAROSSA 3A/17
I-16042 CARASCO (GE)

È RISULTATA CONFORME ALLA:
HAS BEEN FOUND TO COMPLY WITH:

Valutazione di conformità in accordo alla Direttiva PED 2014/68/EU, "controllo interno di produzione", per produzione, collaudo di componenti per impianti di aria compressa e distribuzione di fluidi in pressione.

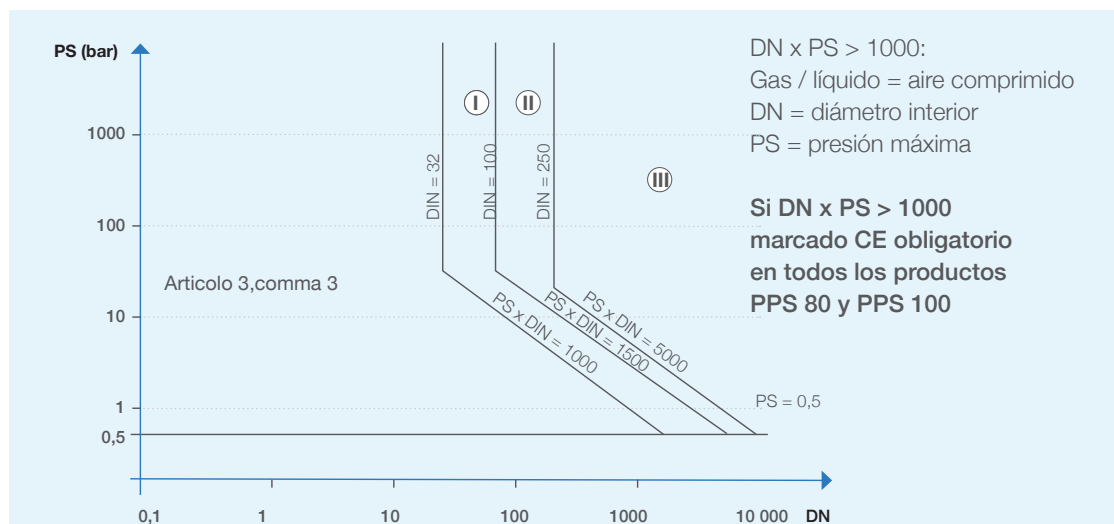
Conformity assessment in accordance with PED Directive 2014/68/EU, "Internal production control", for the production, testing of components for compressed air installations and fluids distribution.

(Vedi elenco allegato dei prodotti / See attached list of components)

TÜV ITALIA Srl
Mario Ghidotti
Business Unit Manager




TÜV Italia • Gruppo TÜV SÜD • Via Carducci 125, Pal. 23 • 20089 Sesto San Giovanni (MI) • Italia • www.tuv.it TÜV®




■ EL CRN O CANADIAN REGISTRATION NUMBER



EL CRN

Los productos **Prevost PPS** responden a las exigencias canadienses de los equipos a presión y disponen de un **CRN**.

■ El CRN es una certificación validada por las 13 provincias de Canadá.



345 Collingvale Drive
Toronto, Ontario M9W 9W9
Tel: 416 754 3265
Fax: 416 231 1553
Toll Free: 1 877 662 8772
www.tssa.org

SCOTT ISLIP
ROUND ENGINEERING INC
10 SEGWUN RD
WATERDOWN ON L8B 0K6
CA

Service Request Type: BPV-Fitting Registration
Service Request No.: 2287864
Your Reference No.: R-0785A/B
Registered to: PREVOST


Dear SCOTT ISLIP,

Technical Standards and Safety Authority (TSSA) is pleased to inform you that your submission has been reviewed and registered as follows:

CRN No.: **0C20336.5**
Main Design No.: PPS1 RSIF, PPS1 RSIM & PPS1 RSI Valve series - see the attachment to the Statutory Declaration Form for the scope of registration.

Please be advised that a valid quality control system must be maintained for the fitting registration to remain valid until the expiry date.

The stamped copy of the approved registration and the invoice are mailed separately. Should you have any questions or require further assistance, please contact a Customer Service Advisor at 1 877 662 TSSA (8772) or e-mail customerservices@tssa.org. We will be happy to assist you. When contacting TSSA regarding this file, please refer to the Service Request number provided above.

Yours truly,

Mark Valic P. Eng
Engineer Specialist BPV
Tel.: 416-734-3494
Fax: 416-231-1628
Email: mvalic@tssa.org

Putting Public Safety First

■ ASME B31.1 / B31.3



NORMA ASME B31.1
NORMA ASME B31.3

Los productos **Prevost PPS** responden a las exigencias de la **NORMA ASME B31.1** y de la **NORMA ASME B31.3**.

■ Precisan las obligaciones mínimas que se deben respetar en términos de materiales, diseño, dimensionamiento y fabricación.

Estas normas son el equivalente estadounidense de las exigencias de la Directiva Equipos a Presión **DESP 2014/68/UE** detalladas a continuación.



DECLARATION OF CONFORMITY

ICIM S.p.A. ref: PPS - 53 89677 Rev 0 F&Mmc DOC 6260 del 13/10/2017

Manufacturer: PREVOST
Shop: SP 596 - Via Telessega 3 int.17, 16042 Carasco (GE)

General description: pipe / fitting
Item: PPS1 16 class PPS 1U 16

Design data: MNSP 232 psi at 100°F (1.6 Mpa at 37°C)
MNSP 474 at 232 psi (2.20 MPa at 1.8 Mpa)
Regulation: test pressure 548 PSI (3.74 Mpa)
Certification accordance: NCMC

Material: ASTM A179-11 304 L

Drawings: PPS1 016 NF1 rev. 00
PPS1 0216 rev. 00 / PPS1 01A16 rev. 00 / PPS1 01B16 rev. 00
PPS1 0216 rev. 01 / PPS1 01A16 rev. 01 / PPS1 01B16 rev. 01
PPS1 0216 rev. 02 / PPS1 01A16 rev. 02 / PPS1 01B16 rev. 02
PPS1 0216 rev. 03 / PPS1 01A16 rev. 03 / PPS1 01B16 rev. 03
PPS1 0216 rev. 04 / PPS1 01A16 rev. 04 / PPS1 01B16 rev. 04
PPS1 0216 rev. 05 / PPS1 01A16 rev. 05 / PPS1 01B16 rev. 05
PPS1 0216 rev. 06 / PPS1 01A16 rev. 06 / PPS1 01B16 rev. 06
PPS1 0216 rev. 07 / PPS1 01A16 rev. 07 / PPS1 01B16 rev. 07
PPS1 0216 rev. 08 / PPS1 01A16 rev. 08 / PPS1 01B16 rev. 08
PPS1 0216 rev. 09 / PPS1 01A16 rev. 09 / PPS1 01B16 rev. 09
PPS1 0216 rev. 10 / PPS1 01A16 rev. 10 / PPS1 01B16 rev. 10

Code(s): ASME B31.1 "Power Piping" edition 2016
ASME B31.3 "Process Piping" edition 2016

Test type for design verification: burst test

CERTIFICATE OF ACCREDITATION

This is to accredit the named organization as having had the adequacy of their program verified for the scope shown below in accordance with the applicable rules of The American Society of Mechanical Engineers Standard for Qualifications for Authorized Inspection. The accreditation granted by this certificate is subject to the provisions of the agreement set forth in the application.

ORGANIZATION: 

SCOPE:
Authorized Inspection Agency for performance of Authorized Inspection Agency activities controlled from the above location to cover Sections I, III Divisions 1 & 3, IV, and VIII Divisions 1, 2 & 3 of the ASME Boiler and Pressure Vessel Code

AUTHORIZED:
EXPIRES:
CERTIFICATE NUMBER: AIA-108


Richard Rottmann
Board Chair, Conformity Assessment


Scott Lawrence
Director, Conformity Assessment


The American Society of Mechanical Engineers


ICIM S.p.A.
Via Telessega 3 int.17, 16042 Carasco (GE)
Tel: +39 010 231 1553
Fax: +39 010 231 1553
www.icim.it


IqNet


CE

Seguridad y protección



■ LA CLASIFICACIÓN DE REACCIÓN AL FUEGO



EN 13501-1 CLASIFICACIÓN B-s1, d0

En el sector de las infraestructuras y los edificios, es preciso publicar una clasificación de reacción al fuego. Permite conocer el comportamiento ante el fuego de los productos en caso de incendio (seguros, etc.).

La gama de red de aire comprimido PPS, pensada para equipar con energía de aire comprimido los edificios, debe responder a esta exigencia.

- En Europa, la clasificación de reacción al fuego viene determinada por la norma **EN 13501-1**

ISTITUTO GIORDANO IAC-IRA ACCREDIA LAB N° 0021

Classificazione e campo di applicazione.
Classification and field of application.

Riferimento di classificazione.
Reference of classification.
Questa classificazione viene definita in accordo con la norma UNI EN 13501-1:2009.
This classification is assigned in accordance with standard UNI EN 13501-1:2009.

Classificazione.
Classification.
Il prodotto "PPS1", in relazione al suo comportamento di reazione al fuoco, è classificato:
The product "PPS1" in relation to its reaction to fire behaviour is classified:

B

La classificazione aggiuntiva in relazione alla produzione di fumo è:
The additional classification in relation to smoke production is:

s1

La classificazione aggiuntiva in relazione alla cadute di gocce/particelle incendiate è:
The additional classification in relation to flaming droplets/particles is:

d0

La classificazione finale di reazione al fuoco del prodotto da costruzione è:
The final reaction to fire classification of the construction product is:

Classificazione / Classification: B - s1, d0

La gama PPS tiene una clasificación B-s1, d0:

- El comportamiento de los productos PPS frente al fuego permite atribuirles una clasificación de tipo: **B**
- La clasificación adicional relativa a la producción de humo se define como: **s1**
- La clasificación respecto a las gotas/partículas inflamadas da una clasificación: **d0**



LA CLASIFICACIÓN DE REACCIÓN AL FUEGO




UL 723 - ASTM E84

Las referencias normativas para el comportamiento ante el fuego en Estados Unidos son **UL 723 & ASTM E84**.

La gama PPS tiene una clasificación 0-0-0:

- El comportamiento de los productos PPS frente al fuego permite atribuirles una clasificación de tipo: **0**
- La clasificación adicional relativa a la producción de humo se define como: **0**
- La clasificación respecto a las gotas/partículas inflamadas da una clasificación: **0**

- Por otra parte, la referencia de clasificación de los materiales plásticos es **UL 94 HB**.



Summary of Investigation
For
Prevost sas, Carasco, GE, Italy

Subject: Surface Burning Characteristics of Prevost Piping System
Reference: 4788646662


The following is a summary of the test results obtained on a pipe assembly designated by Prevost sas as "Prevost Piping System" under Project 4788646662. The tests were conducted at UL's test facility in Toronto, Ontario on December 13th, 2018 in general accordance with CAN/ULC-S102.2:2018, *Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies*, 8th Edition (Exception, less than three tests were conducted as indicated under "Results" and test specimens were longer than the required length as indicated under "Sample Description and Preparation").

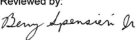
The issuance of this Report does not imply Listing, Classification, or Recognition by ULC and does not authorize the use of ULC Listing, Classification, or Recognition Marks or any other reference to Underwriters Laboratories of Canada on or in connection with the product or assembly.

Underwriters Laboratories of Canada authorizes the above named company to reproduce this Report provided it is reproduced in its entirety. Underwriters Laboratories of Canada did not witness the production of the samples nor were we provided with information relative to the formulation or identification of component materials used in the samples. The test results relate only to the items tested and may not apply to subsequently produced samples or assemblies.

The sole purpose of this investigation was to provide fire test data for the pipe assembly submitted and tested in general accordance with the requirements of CAN/ULC-S102.2. This data should not be considered representative of test results for other pipe assemblies in the absence of testing the pipe assemblies in accordance with CAN/ULC-S102.2.

Underwriters Laboratories of Canada, its employees, and its agents shall not be responsible to anyone for the use or nonuse of the information contained in this Report, and shall not incur any obligation or liability for damages, including consequential damages, arising out of or in connection with the use of, or inability to use, the information contained in this Report.

Sincerely,

Stanis Yu
Project Handler
Building & Life Safety Technologies

Reviewed by:

Beny Spensieri, Jr.
Project Handler
Building & Life Safety Technologies

Underwriters Laboratories of Canada Inc.
7 Underwriters Road, Toronto, ON M3R 3A9, Canada
T: 416-757-3511 / F: 416-757-9540 / W: UL.ca

Report Of Surface Burning Characteristics Tests On Samples As Submitted By Prevost SAS

The test determines the Surface Burning Characteristics of the material, specifically the flame spread and smoke developed indices when exposed to fire.

METHOD:
Each test was conducted in accordance with Standard UL1887, (ASTM E84).

TEST METHOD:
The test was conducted in accordance with UL 723, Eleventh Edition (2018/04/19).


The results are tabulated below and are considered applicable only to the specific samples tested.


Data sheets and graphical plots of flame travel versus time and smoke developed versus time are also enclosed.

Table 1: Test Summary

Test No.	Test Code	Sample Description	CFS Calculated Flame Spread	FSI Flame Spread Index	CSD Calculated Smoke Developed	SDI Smoke Developed Index
1	04261903	Compressed Air Piping	0.00	0	0.0	0

The Classification Marking of UL on the product is the only method provided by UL to identify products which have been produced under its Classification and Follow-Up Service. No use of a Classification Marking has been authorized as a result of this investigation.


James Smith, Staff Engineering Associate, Building Materials & Systems



CERTIFICATE OF COMPLIANCE

Certificate Number: [REDACTED]
Report Reference: [REDACTED]
Issue Date: [REDACTED]

Issued to: [REDACTED]

This certificate confirms that representative samples of **COMPONENT - PLASTICS** Refer to Addendum Page

Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.


Standard(s) for Safety: For standard information please visit UL IQ Plastics Database (<https://my.secure.home1.ul.com/portal/page/portal/usa/iq/QWelcome>)


Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.


Beny Spensieri, Jr., Project Handler



UL LLC
All information and documentation including UL Mark licenses are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at ULCustomerService@ul.com



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SEGURIDAD Y PROTECCIÓN

LA CONFORMIDAD EN ZONAS CLASIFICADAS ATEX

STATEMENT - DECLARATION - DICHIARAZIONE - VERKLÄRUNG

Statement

ATEX Directive 2014/34/EU – Equipment And Components Intended For Use In Potentially Explosive Atmospheres

Statement No. : 722200646
 Product(s) : Flow Measurement piping - Item no. INT-...
 Manufacturer : PREVOST SAS
 Rue Du Prie' Faucon 15
 74092 Annecy le Vieux France

Basis Of Examination : European directive ATEX 2014/34/EU, Annex II
 Standard(s) : EN 1127-1:2011, EN ISO 80079-36:2016

Intended Use : Zone 1 and 2, IIC.
 Zone 21 and 22 IIIC

Statement / Evaluation Result
 After a detailed evaluation, the product was found not to be in the scope of application of the ATEX directive 2014/34/EU according to the interpretations of the ATEX 2014/34/EU Notified Bodies.
 Despite the exclusion of the scope of application, when those products are not well explosion proof designed, they may contain active ignition source's under certain conditions.
 Therefore the ignition hazard assessment and products has been verified and they have been approved by TÜV Italia for use in Explosive Atmospheres, there are no effective ignition sources. Special conditions for use have to be applied (see section 5).

TÜV Italia – TÜV SÜD Group
 IS, Explosion Protection And Prevention Services

Project Handler: *Diego Molli* Approved: *Tiziano Porqueddu*
 Diego Molli Tiziano Porqueddu

This statement may only be reproduced in full. Any use for advertising purposes must be granted in writing. This statement is the result of a single inspection examination of the equipment in question and is not a generally applicable evaluation.

TÜV ITALIA S.R.L.
 Via Cassanese, 22 - 20139 Milano
 Tel. +39 02 24130.399
 www.tuv.it

Registro delle imprese di Milano
 n. Iscrizione Cod. Fisc. 04620200155
 R.E.A. 1269142 - P. IVA 02059100966
 Cap. Sociale Euro 1.000.000.000
 Capitale sociale Euro 100.000.000.000
 P.IVA 02059100966 C.A.B. n. 02/278188
 BANCA: IT24 2000 0102 0040 0001 9178 199

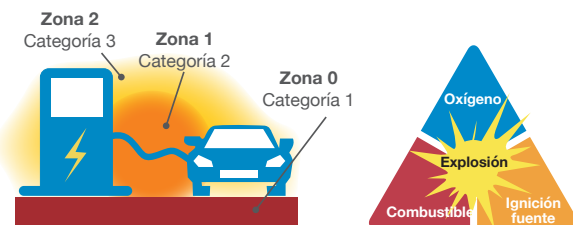
El peligro identificado de explosión puede provenir de distintos elementos presente en el ambiente:

- **Gases/vapores:** hidrocarburos, disolventes, pinturas, diluyentes, gasolina, alcohol, colorantes, perfumes, productos químicos, materiales plásticos, etc.
- **Polvo/partículas:** magnesio, aluminio, azufre, celulosa, cereales, carbón, madera, leche, resinas, azúcar, almidón, poliestireno, fertilizantes

Los productos Prevost de la gama PPS pueden utilizarse en las zonas ATEX clasificadas como las menos peligrosas:

- **gas: zonas 1 y 2**
- **polvo: zonas 21 y 22**

Zona		Categoría de equipo	Presencia de atmósfera explosiva
Gas	Polvo		
0	20	1	Constantemente o durante largos períodos > 1000 horas/año
1	21	2	En ocasiones 10 ~ 1000 h/año
2	22	3	Raramente o durante breves períodos < 10 h/año






LA DIRECTIVA ATEX-2014/34/EU

Esta directiva europea se aplica al conjunto de los equipos eléctricos y no eléctricos utilizados en atmósfera explosiva, gaseosa o polvorienta.

RESISTENTE A LOS UV

- Define las reglas que deben respetarse al desarrollar productos para evitar el riesgo de explosión en zonas clasificadas como peligrosas.



La gama PPS 100% aluminio ofrece una excelente resistencia a los rayos ultravioletas.

Limpieza de los fluidos



CALIDAD DEL AIRE



**CERTIFICACIÓN
ISO 8573-1
CLASE 0.0.0**

Esta norma internacional establece las diferentes clases de calidad del aire comprimido.

■ **Prevost** responde con éxito a las máximas expectativas de esta norma. Los productos de la gama **PPS** garantizan la no contaminación del fluido transportado por partículas sólidas, agua, humedad o aceite.

Este nivel de calidad permite responder a las aplicaciones más exigentes en términos de limpieza de la energía de aire comprimido:

- farmacéutico,
- alimentario,
- pintura, etc.



Page 1 of 2
Certificate No: LR21201983TA
Issue Date:
Expiry Date:

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	PREVOST s.a.s.
Address	Sp. 586 via Terrarossa 3A/17, CARASCO GE, 16040, Italy
Type	Pipes and Fittings
Description	Aluminum pipes and fittings for compressed air and fluid distribution networks
Trade Name	PPS1 Prevost Piping System
Application	Industrial
Specified Standard	ISO 8573-1:2010 compressed air quality specification Part 2: Test methods for oil aerosol content Part 3: Test methods for measurement of humidity Part 4: Test methods for solid particles content
Ratings	Working pressure 0.98 bar to 16 bar ISO 8573-1:2010 Class 0.0.0 External diameter of the tube (Range): 16; 20; 25; 32; 40; 50; 63; 80; 100 (mm)
Other Conditions	The quality of the air to be in the category CLASS 0 in term of total oil aerosol content, measurement of humidity, solid particles content as defined solid particles content, as defined in the standard ISO 8573-1:2010

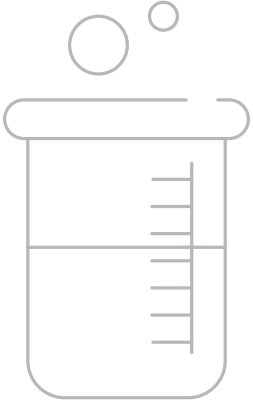

Valid Saremi Shahab
 Senior Piping Specialist to Lloyd's Register
 EMEA
 A member of the Lloyd's Register group

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TAG1 1.0.0





LIMPIEZA DE LOS FLUIDOS

ISO 8573-1 Clase	PARTÍCULAS SÓLIDAS			AGUA	ACEITE
	Número máximo de partículas por m ³			Punto de rocío del vapor a presión	Concentración total de aceite (líquido, aerosol + gaseoso)
	0.1 - 0.5 µm	0.5 - 1 µm	1 - 5 µm		
prevost 0	COMO SE ESPECIFICA Y MÁS ESTRICTO QUE LA CLASE 1				
1	≤ 20.000	≤ 400	≤ 10	≤ -70°C	≤ 0.01 mg/m ³
2	≤ 400.000	≤ 6.000	≤ 100	≤ -40°C	≤ 0.1 mg/m ³
3		≤ 90.000	≤ 1.000	≤ -20°C	≤ 1 mg/m ³
4			≤ 10.000	≤ +3°C	≤ 5 mg/m ³
5			≤ 100.000	≤ +7°C	
6	0 < Cp ≤ 5 mg/m ³			≤ +10°C	
7	5 < Cp ≤ 10 mg/m ³			≤ 0.5 g/m ³	
8				0.5 - 5 g/m ³	
9				5-10 g/m ³	
X	Cp > 10 mg/m ³			> 10 mg/m ³	> 10 mg/m ³



PARTÍCULAS **AGUA** **ACEITE**

CLASE DE PUREZA DEL AIRE COMPRIMIDO ALCANZABLE			SECTOR/APLICACIÓN
0	0	0	Consulte con Prevost para las necesidades de «aire puro» y salas blancas.
>1	< 1- 3	< 1	Industria farmacéutica, cosmética, electrónica, química, aeronáutica, industria alimentaria, pintura de calidad.
1	4	1	Tratamiento médico, máquinas de tejer, tratamiento de películas fotográficas, industria alimentaria y aplicaciones sin aceite, herramientas de precisión neumáticas.
1	1 - 3	2	Laboratorios fotográficos.
1	4	2	Pulverización de pintura, revestimiento con polvo, embalaje, control y aire de instrumentos.
2	1 - 3	1	Instalaciones de pulverización de pintura.
2	4	1	Transporte específico de «aire limpio», plantas químicas.
2	1 - 3	2	Transporte específico de aire seco, pulverización de pintura, reguladores de presión fina.
2	4	2	Lijado de calidad, pintura con pistola simple, sopladores de aire, taller de trabajo.
3	4	3 - 4	Lijado ordinario, grandes herramientas neumáticas (eliminación bruta de partículas de aceite/agua).
4	4	3	Trabajos generales con aire comprimido, arenado de alta calidad.
4	7 - X	3	Granallado.
4 - 6	7 - X	3 - 4	Transporte de aire para sistemas de aguas residuales.



LIMPIEZA DE LOS FLUIDOS



OIL FREE*

- Los productos **Prevost** no contaminan el fluido transportado con grasa o partículas de aceite.

*sin aceite



SILICONE FREE*

- **Prevost** garantiza que no se utiliza ningún agente a base de silicona para la fabricación de los productos de la gama **PPS**.

*sin silicona



**CERTIFICACIÓN
QUALICOAT**

- Directivas relativas a la certificación de calidad para los revestimientos por termolacado (líquido o polvo) del aluminio utilizado en arquitectura. Esta certificación determina el nivel de calidad del tratamiento aplicado en la superficie externa de los tubos de aluminio **PPS**.

Esas superficies externas deben resistir de manera óptima a todas las agresiones relacionadas con el entorno exterior de numerosas aplicaciones que utilizan las redes de aire comprimido.



**CLASIFICACIÓN NSF
H1**

- Un lubricante de calidad **alimentaria de alto rendimiento (PPS AL)**.

El lubricante **Prevost PPS AL** dispone de la acreditación **NSF H1**. Por tanto, responde a las exigencias de las aplicaciones más estrictas: alimentaria, química, farmacéutica, cosméticos, etc.

Medio ambiente



REACH – RoHS

- **Prevost** realiza un seguimiento preciso de las materias primas utilizadas en su gama de redes **PPS**. Este rigor permite posicionar los productos en función de la evolución de las legislaciones **REACH** y **RoSH**.



RECICLABLE

- La gama **PPS** (tubos y racores) es 100% de aluminio. Ello le confiere excelentes propiedades de reciclabilidad.

Las certificaciones Prevost



ORGANIZACIÓN INDUSTRIAL



ISO 9001

Investigación y desarrollo, diseño y gestión de las operaciones de fabricación, ensamblaje y control de calidad de los productos para las aplicaciones de las instalaciones de aire comprimido y otros fluidos.

EQUIPOS A PRESIÓN



CE - Pressure Equipment Directive
PED-2014/68/EU



ASME B31.1 / B31.3



CRN
(Certificación canadiense)

LIMPIEZA DE LOS FLUIDOS



ISO 8573-1
Class 0.0.0



Oil Free*



Silicone Free*



Qualicoat



NFS H1

SEGURIDAD Y PROTECCIÓN



EN 13501-1
Clasificación B-s1, d0



UL 723 - ASTM E84
Class 0.0.0



Resistencia a los ultravioletas



ATEX Directive: 2014/34/EU
Zone 1 - 2 - 21 & 22

MEDIO AMBIENTE



REACH



RoSH



Reciclable

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