



CERTIFICATIONS FOR THE NEW
PREVOST ***P***IPING ***S***YSTEM RANGE



CONNECTED TO INNOVATION

PPS

Certifications

Prevost products are essential to create high quality, professional grade air systems. Our fully customizable solution will adapt to any size or configuration building.

- Since 1978, **Prevost** has been developing, manufacturing and marketing a complete range of products suitable for air, fluid and vacuum systems. **PPS** products are guaranteed for 10 years after installation.



Innovation and **Quality** are two core values that makes **Prevost** a key partner for numerous industrial markets using pneumatic and hydraulic energy.

- Automotive industry
- Construction
- Plastics
- Textiles
- Medical & Pharmaceutical
- Food processing
- Aeronautics and Railway
- Electronics
- Logistics, heavy duty machinery...

Our top priority is to provide an entire range of products that combine performance, quality and safety. The R&D department strives to constantly improve our line to guarantee the certification and conformity of our products.

■ **Prevost** products are designed, tested and validated by our own technical teams and certified by independent, third party organizations.

■ CONNECTED TO CERTIFICATION

Prevost GUARANTEES THE QUALITY OF THE PPS RANGE is compliant with strict internal specifications.

Numerous certifications guarantee the quality of our products:

- ISO 9001 **industrial organization**
- Compliance with pressure equipment legislation
- Excellent fire classification
- Compliant with applicable **ATEX** standards
- Appropriate classifications for various fluid groups

PPS

Certifications

OUR WORLDWIDE CERTIFICATIONS



CERTIFICATIONS BY APPLICATION CATEGORY

Industrial standards



Pressurized equipment



Safety and protection



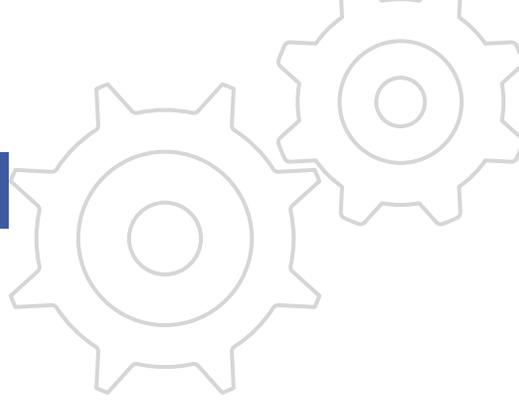
Fluid quality



Environmental



Industrial standards



■ QUALITY CERTIFICATIONS



**ISO 9001
CERTIFICATION**

Prevost's technology is recognized by the TÜV

- Prevost meets these compressed air and fluid distribution standards through: Research & Development, design and management of manufacturing operations and assembly and quality inspections.

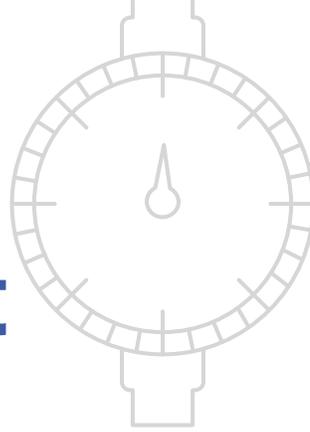


CERTIFICATO
Nr. 58 100 13996 - Rev. 001
Si attesta che / This is to certify that
IL SISTEMA QUALITÀ DI
THE QUALITY SYSTEM OF
PREVOST S.a.s.
SEDE LEGALE:
REGISTERED OFFICE:
**RUE DU PRE FAUCON 15
F-74940 ANNECY LE VIEUX**
SEDE OPERATIVA:
OPERATIONAL SITE:
**LOCALITA' TERRAROSSA 3A/17
I-16042 CARRASCO (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
(SAP 34.18)**
**Research and development, design, manufacturing management,
assembly operations, control and technical analysis of components for
compressed air installations and fluids distribution
(SAP 34.18)**
Per l'Organismo di Certificazione
For the Certification Body
TUV Italia S.r.l.
ACCREDIA
5100 N° 016A
Per l'Organismo di Certificazione
For the Certification Body
TUV Italia S.r.l.
Andrea Coasia
Piazzale Certifications / Piazza Certifica No. 24/07 00187
DATA DI SCADENZA DELLA PRESENTI CERTIFICAZIONE: 2023-08-08
EXPIRATION DATE OF THE LAST CERTIFICATION CYCLE: 2023-08-08
LA VALIDAZIONE PRESENTI CERTIFICATO È SUBORDINATA A SEVERI CRITERI PREDEFINITI E SI SPERTE IL SEGNARE OMBRETTI DEL SEGNARE DI
THE VALIDITY OF THE PRESENT CERTIFICATE DEPENDS ON THE ABOVE PREDEFINED CRITERIA AND THE COMPLETE REPORT OF
CERTIFICATION MANAGEMENT SYSTEMS IS AVAILABLE ON REQUEST
TUV Italia S.r.l. - Gruppo TÜV SÜD - Via Carboni 125, Pal. 23 - 20099 Sesto San Giovanni (MI) - Italia - www.tuv.it

Certified companies manage their manufacturing processes at the highest level of operating conditions to exceed customer expectations.



Pressurized equipment



■ PRESSURIZED EQUIPMENT REQUIREMENTS



PED-2014/68/EU

TÜV certifies Prevost products meet the requirements of the Pressure Equipment Directive PED 2014/68/EU.

■ Prevost complies with European requirements (CE).



Attestato/Statement

Nr. I-72220684419

Si attesta che / This is to certify that

PREVOST S.a.s.

SEDE LEGALE:
REGISTERED OFFICE:
RUE DU PRE' FAUCON 15
F-74002 ANNECY LE VIEUX

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

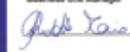
È RISULTATA CONFORME ALLA:
HAS BEEN FOUND TO COMPLY WITH:

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.

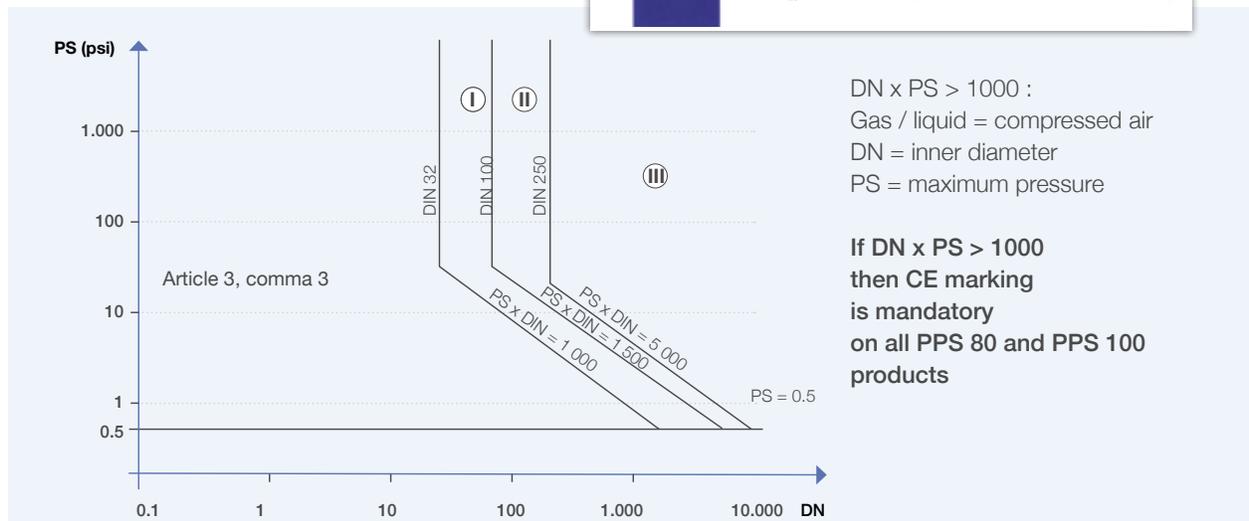
Conformity assessment in accordance with PED Directive 2014/68/EU, "internal production control", for the production, testing of components for compressed air installations and fluids distribution.

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

TÜV ITALIA Srl
Mario Ghidoni
Business Unit Manager




TÜV Italia • Gruppo TÜV SÜD • Via Carducci 125, Pal. D3 • 39099 Sesto San Giovanni (MI) • Italia • www.tuv.it



■ CRN (CANADIAN REGISTRATION NUMBER)



CRN

Prevost PPS products meet Canadian pressure equipment requirements and are **CRN** certified.

- The **CRN** certification has been approved by the 13 Canadian provinces.



1900 Highway 104
 Toronto, Ontario M8Z 5R6
 Tel: 416-734-2888
 Fax: 416-734-2899
 Toll-Free: 1-877-827-8710
 www.tssa.ca

May 18, 2010

SCOTT ISLP
 ROUND ENGINEERING INC
 19 SEDWUN RD
 WATERDOWN ON L4M 0K6
 CA

Service Request Type: DPV-Filing Registration
 Service Request No.: 2287944
 Your Reference No.: 01-076548
 Registered to: PREVOST

Dear SCOTT ISLP,

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 RSP, PPS1 RSM & PPS1 RSI Valve series - see the attachment to the Statutory Declaration Form for the scope of registration.
 Expiry Date: 08-08-2012

Please be advised that a valid quality control system must be maintained for the filing 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 1 877 883 TSSA (8772) or email customerservice@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 Wale P. Eng
 Engineer Specialist SPV
 Tel.: 416-734-3484
 Fax: 416-231-1636
 Email: mwale@tssa.org

Protecting Public Safety First

■ ASME B31.1 / B31.3



ASME B31.1
ASME B31.3

Prevost PPS products comply with **ASME B31.1** and **ASME B31.3**.

- **ASME** are the specifications required for material, design, dimensions and manufacturing.

ASME is the US equivalent of the European Pressure Equipment Directive (**PED 2014/68/EU**) outlined below.



ICIM

DECLARATION OF CONFORMITY

ICIM S.p.A. ref. PD - 53 88617 Rev. 0 F.0001 DOC 620 del 13/10/2017

Manufacturer: PREVOST
 Site: 19 Sedwun Rd, Waterdown, ON L4M 0K6, CA

General description: PPS - Filing
 Item: PPS1 RSP, PPS1 RSM, PPS1 RSI

Design date: MAR 27, 2010
 Material: ASTM B717 - 08A

Drawings: PPS1 RSP 001 Rev. 00
 PPS1 RSM 001 Rev. 00
 PPS1 RSI 001 Rev. 00
 PPS1 RSP 002 Rev. 00
 PPS1 RSM 002 Rev. 00
 PPS1 RSI 002 Rev. 00
 PPS1 RSP 003 Rev. 00
 PPS1 RSM 003 Rev. 00
 PPS1 RSI 003 Rev. 00

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 locations to cover Sections I, II Divisions 1 & 3, IV, and VIII Divisions 1, 2 & 3 of the ASME Boiler and Pressure Vessel Code

AUTHORIZED: 
 EXPIRES: 
 CERTIFICATE NUMBER: AIA-168

Richard Rottmann
 Board Chair, Conformity Assessment


 Director, Conformity Assessment

The American Society of Mechanical Engineers

ICIM logo, ISO 9001, LONE, CE

Security and protection



■ FIRE CLASSIFICATION



EN 13501-1 CLASSIFICATION B-s1, d0

In the infrastructure and buildings sector, a fire classification must be provided. It provides information on the fire behavior of products in the event of a fire (insurance, etc.). The PPS compressed air system line is designed to supply buildings with air power and is intended to meet this criteria.

- In Europe, the fire classification is determined by the standard **EN 13501-1**

ISTITUTO GONDANO ACCREDITED ACCREDIA

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 alle 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

The PPS range is classified B-s1, d0:

- The fire behavior of PPS products is used to assign a classification of type: **B**
- The additional classification for smoke production is defined by: **s1**
- The classification in relation to ignited droplets/particles gives a classification: **d0**



FIRE CLASSIFICATION



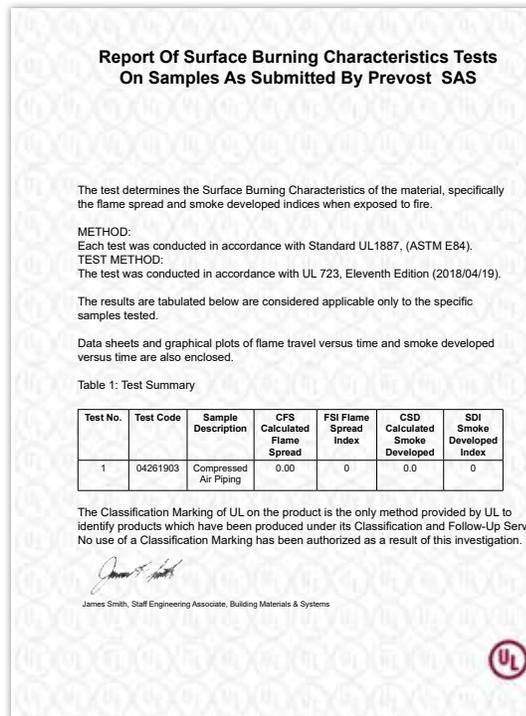
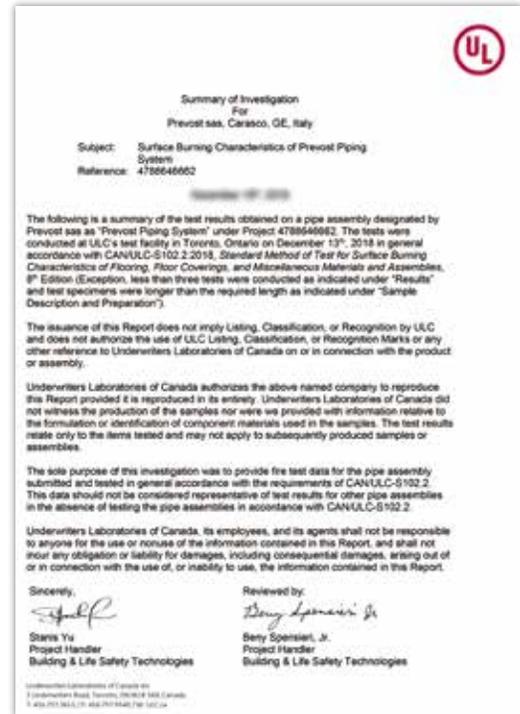
UL 723 - ASTM E84

The standardized references for fire behavior in the US are **UL 723 & ASTM E84**.

The PPS range has been classified 0-0-0:

- The fire behavior of **PPS** products is used to assign a classification of type: **0**
- The additional classification for smoke production is defined by: **0**
- The classification in relation to ignited droplets/particles gives a classification: **0**

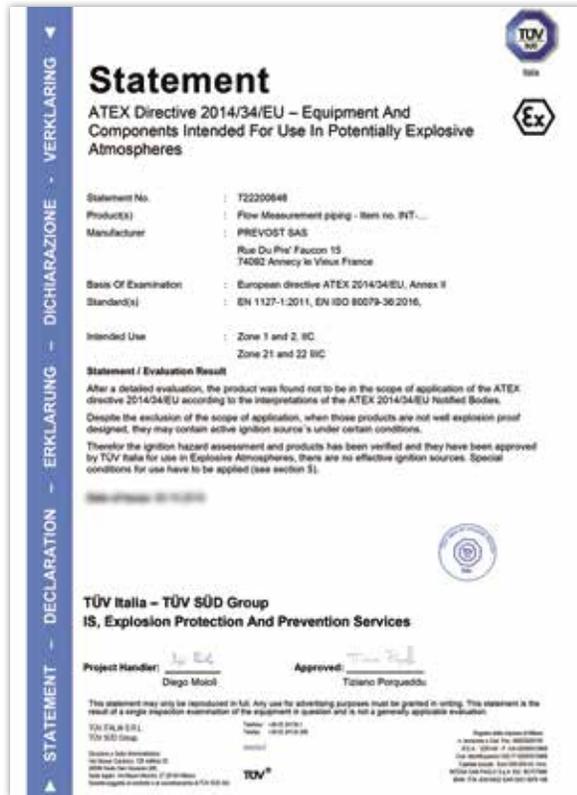
- In addition, the classification grade for plastics is **UL 94 HB**.





SECURITY AND PROTECTION

COMPLIANCE IN ATEX CLASSIFIED AREAS



Explosion hazards can arise from various elements in the atmosphere:

- **Gases/vapors:** hydrocarbons, solvents, paints, thinners, petrol, alcohol, dyes, perfumes, chemicals, plastics, etc.
- **Dust/powder:** magnesium, aluminum, sulfur, cellulose, cereals, coal, wood, milk, resins, sugar, starch, polystyrene, fertilizer

Use of PPS products is possible in the least hazardous ATEX classified areas:

- **gas: areas 1 and 2**
- **dust: areas 21 and 22**

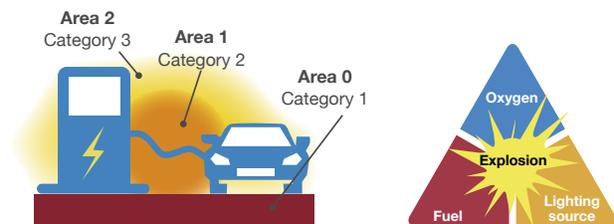
Area		Equipment category	Presence of explosive atmosphere
Gas	Dust		
0	20	1	Constantly or for extended periods > 1000 hours per year
1	21	2	Sometimes 10 ~ 1000 hours per year
2	22	3	Rarely or for short periods <10 hours per year



ATEX DIRECTIVE 2014/34/EU

This European directive applies to all electrical and non-electrical equipment used in explosive, gaseous or dusty atmospheres.

- **ATEX** outlines the rules to be followed during the installation process to avoid the risk of explosions in areas classified as hazardous.



UV-RESISTANT



The 100% aluminum PPS line has excellent ultra violet ray resistance.

Fluid quality



■ AIR QUALITY



**ISO 8573-1
CLASS 0.0.0**

This international standard establishes the different quality classes of compressed air.

- **Prevost** successfully meets the highest expectations of this standard. The products in the **PPS** range ensures the fluid being transported is not contaminated by solid particles, water, moisture or oil.



Lloyd's Register

Page 1 of 2
Certificate No: UZ12018E2A
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 Tomassoa 3A/17, CARASCO GE, 10040, Italy
Type	Pipes and Fittings
Description	Aluminum pipes and fittings for compressed air and fluid distribution networks
Trade Name	PPS 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 0.88 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 terms 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


Valter Saverio Stalab
Senior Piping Specialist to Lloyd's Register
EMEA
A member of the Lloyd's Register group

77 Fenchurch Street, London, EC3A 4BL, United Kingdom

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This level of quality meets the most demanding applications in terms of clean compressed air energy:

- pharmaceutical
- food processing
- paint, etc.





FLUID QUALITY

ISO 8573-1 class	SOLID PARTICLES			WATER	OIL
	Maximum number of particles per m ³			Dew point under steam pressure °C / °F	Total concentration of oil (liquid, aerosol + gas)
	0.1 - 0.5 µm	0.5 - 1 µm	1 - 5 µm		
prevost 0	AS SPECIFIED AND STRICTER THAN CLASS 1				
1	≤ 20.000	≤ 400	≤ 10	≤ -70 / -94	≤ 0.01 mg/m ³
2	≤ 400.000	≤ 6.000	≤ 100	≤ -40 / -40	≤ 0.1 mg/m ³
3		≤ 90.000	≤ 1.000	≤ -20 / -4	≤ 1 mg/m ³
4			≤ 10.000	≤ +3 / +37.4	≤ 5 mg/m ³
5			≤ 100.000	≤ +7 / +44.6	
6	0 < Cp ≤ 5 mg/m ³			≤ +10 / +50	
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



PARTICLES

WATER

OIL

ACHIEVABLE COMPRESSED AIR PURITY CLASS			SECTOR / APPLICATION
--	--	--	----------------------

prevost 0	prevost 0	prevost 0	Consult Prevost for “clean air” and clean room requirements.
>1	< 1 - 3	< 1	Pharmaceutical industry, cosmetics, electronics, chemicals, aeronautics, food industry, quality paint.
1	4	1	Medical processing, weaving machines, photographic film processing, food industry and oil-free applications, pneumatic precision tools.
1	1 - 3	2	Photo laboratories.
1	4	2	Paint spraying, powder coating, packaging, inspection and instrument air.
2	1 - 3	1	Paint spraying systems.
2	4	1	Specific «clean air» routing, chemical plants.
2	1 - 3	2	Specific transport dry air, paint spraying, fine pressure regulators.
2	4	2	Quality sanding, single spray painting, air blowers, workshop.
3	4	3 - 4	Ordinary sanding, large pneumatic tools (coarse removal of oil/water particles).
4	4	3	General compressed air work, high quality sandblasting.
4	7 - X	3	Shot blasting.
4 - 6	7 - X	3 - 4	Air transport for wastewater systems.



FLUID QUALITY



OIL FREE

- **Prevost** products will not contaminate the conveyed fluid with grease or oil particles.



SILICONE FREE

- **Prevost** guarantees that no silicone-based agents have been used in the manufacturing of **PPS** products.



QUALICOAT CERTIFICATION

- Guidelines for the quality label for thermo-lacquering coatings (liquid or powder) of aluminum intended for architecture. This label signifies the quality level of the treatment applied to the outer surface of **PPS** aluminum pipes. The external surfaces must be able to withstand the harsh environmental operating conditions in various industries using compressed air systems.



NSF H1 CLASSIFICATION

- **A high performance food grade lubricant (PPS AL).** The **Prevost PPS AL** lubricant is **NSF H1** accredited. It therefore meets the requirements of the most stringent applications: food, chemical, pharmaceutical, cosmetic...

Environmental



REACH – RoHS

- **Prevost** closely monitors the raw materials used to produce its line of **PPS** products. Through this process, products can be classified through **REACH** and **RoSH** legislation.



RECYCLABLE

- The **PPS** line (pipes and fittings) are 100% aluminum and recyclable.

Prevost certifications



INDUSTRIAL STANDARDS



ISO 9001

Research and Development, design and management of manufacturing operations, assembly and quality inspection of products for compressed air and other fluid applications.

PRESSURIZED EQUIPMENT



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



ASME B31.1 / B31.3



CRN
(Canadian certification)

SECURITY & PROTECTION



EN 13501-1
Classification B-s1, d0



UL 723 - ASTM E84
Class 0.0.0



Ultraviolet resistant



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

FLUID QUALITY



ISO 8573-1
Class 0.0.0



Oil Free



Silicone Free



QUALICOAT



NFS H1

ENVIRONMENTAL



REACH



RoSH



Recyclable

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