



Statement for application of directive 2014/34/EC

for Equipment and Components intended for Use in Potentially Explosive Atmospheres

Subject: Equipment/Component type **EXTRACT Type 810 / 811 / 815 / 820 / 821 / 825 / 830**

Manufactured and submitted for examination **Exner Process Equipment GmbH**

Address **D-76275 Ettlingen; Carl-Metz-Str. 26**

Basis for examination **Directive 2014/34/EC**

Standard basis **EN ISO 80079-36:2016**

Code for type of protection **none**

Examination result: **The device is not within the scope of the directive
2014/34 / EU. It has no ignition sources of its own.**

Assessment number **-**

TÜV Rheinland Industrie Service GmbH

Essen, den 28.05.2020



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1) Subject and type

EXTRACT 810/811/815/820/821/825/830 in pneumatic and manual version.

2) Description

The EXTRACT changeover device is attached to containers or pipes. The pneumatic drive introduces a sensor (tested in accordance with Directive 2014/34 / EU) into the process liquid to measure chemical or physical properties. The pneumatic drive moves the immersion pipe to the maximum immersion depth in the process medium, for safety reasons this is only possible with a built-in sensor. While the process is running, the sensor can be cleaned, rinsed or calibrated. The operational controls must be within the technical specification of the respective valve and the built-in sensor. The types listed are also available in a manual version with a twist grip and unlocking bolt.

A standards update was carried out. In addition, the series has been expanded to include types 815 and 825.

3) Technical data

Type 815:

Processpressure:	max. 16 bar
Processtemperature:	-10 bis 140 °C
Materials	Stainless Steel 1.4404 / 316 L, Alloy C22 (2.4602)
Seals:	EPDM, FPM (Viton), FFKM (Kalrez)

Type 825:

Processpressure:	max. 10 bar
Processtemperature:	-10 bis 140 °C
Materials	PP, PVDF, PEEK
Seals:	EPDM, FPM (Viton), FFKM (Kalrez)

Ambient temperature:

-10°C to 70°C

Processpressure and temperature:

Valve 810/ 811 / 830

at 16 bar max. 120°C

at 10 bar max. 140°C

Valve 820/ 821

PP at 4 bar max. 60°C

PVDF at 6 bar max. 90°C

PEEK at 10 bar max. 100°C

Consider table in manual

Medium touched material:

Valve 810/ 811 /830

1.4404 / 316L

Alloy C22, 2.4602

Valve 820/ 821

PVDF

PEEK

Valve 820

PP



Seals:	EPDM , FPM , (FFKM only 810,811,820,821) (FDA only 830)
Pressure air:	4 to 6 bar filtered 40µm oil and condensate free
Compressed air connection:	4 mm (position feedback) and 6 mm (control air)
Flushing pressure:	1-4 bar
Execution of the process connections (Valve 830)	DIN11851 DN50, TriClamp 2“, TriClamp 1,5“, SELI G1“, BioConnect, Varivent, ING

4) **Test result**

The EXTRACT fitting listed in Chapter 1 does not fall into the scope of application of Directive 2014/34 / EU, because if it is used as intended, it does not have own potential ignition sources.

5) **ATEX marking**

not relevant

6) **Special conditions for safe use**

1. There must be a sticker on the cap that reads: "Warning, danger from electrostatic charges, only wipe with an antistatic cloth ”.
2. Electrostatic charge must be taken into account for parts in contact with the medium that are made of non-conductive material. This applies particularly to non-conductive liquids.
3. The sensor must be conform to the 2014 / 34EU directive and the ambient temperatures must be observed.
4. It must be ensured that there is no explosive atmosphere in the compressed air.
5. It must be ensured that the movements when the sensor is extended and retracted do not damage the connection.
6. The different temperature classes of the respective materials must be considered.
7. Equipotential bonding must be ensured.



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