



Filters - Compressed Air

FA30I-FA2700I (G, H, A, D)



Installation, Operation and Maintenance












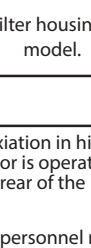
- | | |
|---|--|
| EN Installation, Operation and Maintenance | MT Installazzjoni, Operazzjoni u Manutenzjoni |
| CS Montáž, provoz a údržba | NL Installatie, bediening en onderhoud |
| DA Installation, drift og vedligeholdelse | NO Installasjon, drift og vedlikehold |
| DE Installation, Betrieb und Wartung | PL Instalacja, obsługa i konserwacja |
| EL Εγκατάσταση, λειτουργία και συντήρηση | PT Guia de Instalação, Funcionamento e Manutenção |
| ES Instalación, operación y mantenimiento | RU Установка, эксплуатация и техобслуживание |
| ET Paigaldamine, käitamine ja korrashoid | SL Namestitvev, delovanje in vzdrževanje |
| FI Asentaminen, kunnossapito ja käyttäminen | SK Inštalácia, prevádzka a údržba |
| FR Installation, fonctionnement | SV Installation, drift och underhåll |
| HU Felszerelés, működés és karbantartás | TU Kurulum, Çalıştırma ve Bakım |
| IT Installazione, funzionamento e | ZH 安装、操作和维护 |
| LT Įrengimas, eksploatavimas ir techninė priežiūra | |
| LV Uzstādīšana, darbība un apkope | |



Save These Instructions



1. SYMBOLS

 WARNING					
Highlights actions or procedures, which if not performed correctly, lead to personal injury or death.	Pressure	High efficiency filter element.	Suitable gloves must be worn.	Release pressure	
 CAUTION					
Highlights actions or procedures, which if not performed correctly, lead to damage to this product.	Replace every 6 month.	Time / Duration	Highlights the requirements for disposing.	Ensure correct tool is used.	

2. SAFETY INFORMATION

Ingersoll Rand provides this manual to inform installers, operators, maintenance personnel, supervisors and management of safe practices that must be followed.

Failure to comply with safety precautions described in the manuals supplied with the product, this manual or any of the labels and tags attached to the product may result in death, serious injury or property damage.

Only allow **Ingersoll Rand** trained Technicians to perform maintenance on this product. For additional information contact the **Ingersoll Rand** factory or the nearest service provider.

This equipment is for indoor use only.

Filters housing, elements and accessories should be stored in dry location.

With the exception of oxygen, any gas can cause asphyxiation in high enough concentrations. Always ensure that the generator is operated in a well ventilated area and all of the vent ports on the rear of the generator are kept clear and free from blockages.

When handling, installing or operating this equipment, personnel must employ safe engineering practices and observe all related regulations, health & safety procedures, and legal requirements for safety.

Ingersoll Rand cannot know of, or provide all the procedures by which product operations or repairs may be conducted and the hazards and/or results of each method. If operation or maintenance procedures not specifically recommended by the manufacturer are conducted, it must be ensured that product safety is not endangered by the actions taken. If unsure of an operation or maintenance procedure or step, personnel should place the product in a safe condition and contact supervisors and/or the factory for technical assistance.

3. TECHNICAL SPECIFICATION

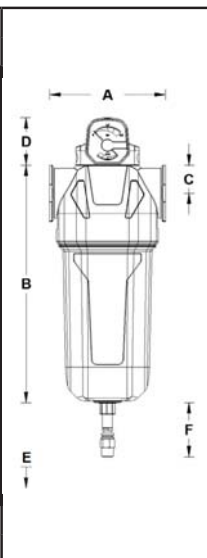
Model	Pipe size	SCFM	l/s	m ³ /min	m ³ /h
FA30I	3/8"	17	8,0	0,5	29
FA40I	1/2"	22	10,4	0,6	37
FA75I	3/4"	45	21,2	1,3	76
FA110I	3/4"	65	30,7	1,8	110
FA150I	1"	88	41,5	2,5	150
FA190I	1"	110	51,9	3,1	187
FA230I	1"	135	63,7	3,8	229
FA400I	1 1/2"	235	110,9	6,7	399
FA490I	1 1/2"	290	136,9	8,2	493
FA600I	2"	350	165,2	9,9	595
FA800I	2"	470	221,8	13,3	799
FA1000I	2"	600	283,1	17	1020
FA1200I	3"	710	335,1	20,1	1206
FA1560I	3"	920	434,2	26,1	1563
FA1830I	3"	1080	509,8	30,6	1835
FA2300I	3"	1350	637,2	38,2	2294
FA2700I	3"	1600	755,2	45,3	2719

FA30I – FA2700I, FA30I X – FA2700I X

Filter grade	Max. Operating pressure		Max. Operating temperature		Min. Operating temperature	
	psig	barg	°C	°F	°C	°F
G	250	17,25	80°C	176°F	1,5°C	35°F
H	250	17,25	80°C	176°F	1,5°C	35°F
A	250	17,25	30°C	86°F	1,5°C	35°F
D	250	17,25	80°C	176°F	1,5°C	35°F
GX	300	20,7	100°C	212°F	1,5°C	35°F
HX	300	20,7	100°C	212°F	1,5°C	35°F
AX	300	20,7	30°C	86°F	1,5°C	35°F
DX	300	20,7	100°C	212°F	1,5°C	35°F

WEIGHTS AND DIMENSION

Model	Pipe size	A		B		C		D		E		F		Weight	
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	kg	lbs
FA30I	3/8"	76	2.99	173	6.81	16	0.63	53	2.09	25	0.98	61	2.40	0,56	1.2
FA40I	1/2"	76	2.99	173	6.81	16	0.63	53	2.09	25	0.98	61	2.40	0,55	1.2
FA75I	3/4"	98	3.86	228	8.98	22	0.87	53	2.09	32	1.26	61	2.40	1,07	2.4
FA110I	3/4"	98	3.86	228	8.98	22	0.87	53	2.09	32	1.26	61	2.40	1,09	2.4
FA150I	1"	129	5.08	267	10.51	32	1.26	53	2.09	38	1.50	61	2.40	2,06	4.5
FA190I	1"	129	5.08	267	10.51	32	1.26	53	2.09	38	1.50	61	2.40	2,06	4.5
FA230I	1"	129	5.08	267	10.51	32	1.26	53	2.09	38	1.50	61	2.40	2,06	4.5
FA400I	1 1/2"	129	5.08	357	14.06	32	1.26	53	2.09	38	1.50	61	2.40	2,36	5.2
FA490I	1 1/2"	129	5.08	357	14.06	32	1.26	53	2.09	38	1.50	61	2.40	2,36	5.2
FA600I	2"	170	6.69	466	18.35	38	1.50	53	2.09	51	2.01	61	2.40	5,20	11.5
FA800I	2"	170	6.69	466	18.35	38	1.50	53	2.09	51	2.01	61	2.40	5,24	11.5
FA1000I	2"	170	6.69	466	18.35	38	1.50	53	2.09	51	2.01	61	2.40	5,26	11.6
FA1200I	3"	205	8.07	544	21.42	55	2.17	53	2.09	57	2.24	61	2.40	9,31	20.5
FA1560I	3"	205	8.07	644	25.35	55	2.17	53	2.09	57	2.24	61	2.40	10,69	23.6
FA1830I	3"	205	8.07	644	25.35	55	2.17	53	2.09	57	2.24	61	2.40	10,69	23.6
FA2300I	3"	205	8.07	876	34.49	55	2.17	53	2.09	57	2.24	61	2.40	13,70	30.2
FA2700I	3"	205	8.07	876	34.49	55	2.17	53	2.09	57	2.24	61	2.40	13,70	30.2



4. INSTALLATION

INSTALLATION RECOMMENDATIONS

It is recommended that the compressed air is treated prior to entry into the distribution system and also at critical usage points / applications.

Installation of compressed air dryer to a previously wet system could result in additional dirt loading for point of use filters for a period whilst the distribution system dries out. Filter elements may need to be changed more frequently during this period.

For installations where oil-free compressors are used, water aerosol and particulate are still present, general purpose and high efficiency grades should still be used.

A general purpose filter must always be installed to protect the high efficiency filter from bulk liquid aerosols and solid particulate.

Install purification equipment at the lowest temperature above freezing point, preferably downstream of after-coolers and air receivers.

Point of use purification equipment should be installed as close to the application as possible.

Purification equipment should not be installed downstream of quick opening valves and should be protected from possible reverse flow or other shock conditions.

Purge all piping leading to the purification equipment before installation and all piping after the purification equipment is installed and before connection to the final application.

If by-pass lines are fitted around purification equipment, ensure adequate filtration is fitted to the by-pass line to prevent contamination of the system downstream.

Provide a facility to drain away collected liquids from the purification equipment. Collected liquids should be treated and disposed of in a responsible manner.

Refer Page number 52, Table:1, Annex A

5. START UP OPERATION

1. Open inlet valve slowly to gradually pressurise the unit.
2. Open outlet valve slowly to re-pressurise the downstream piping.

Do not open inlet or outlet valves rapidly or subject unit to excessive pressure differential or damage may occur.

Refer Page number 52, Figure:1, Annex A

6. ACCESSORIES

Refer Page number 53, Figure:2, Table:2, Annex A

7. SERVICE INTERVALS

Component	Description Of Maintenance Required Operation	Typical Recommended Maintenance Interval				
		Daily	Weekly	3 month	6 month	12 month
Filtration	Filters with manual drain, open the drain and discharge	Check				
Filtration	Check for air leaks.	Check				
Filtration	Differential indicator moves from the green to the red zone		Check			
Filtration	Check Drain operation			Check		
Filtration	Replace cartridge G				Replace	
Filtration	Replace cartridge H				Replace	
Filtration	Replace cartridge D				Replace	
Filtration	Replace cartridge A			Replace		
Drain	Replace the internal automatic drain					Replace

8. SPARE PARTS (SERVICE KIT)

Refer Page number 54, Figure:3, Table:3 & 4, Annex A

9. MAINTENANCE

Refer Page number 55, Table:5, Annex A

10. TROUBLE SHOOTING

In the unlikely event that a problem occurs on the equipment, this troubleshooting guide can be used to identify the probable cause and remedy.

WARNING

Troubleshooting should only be attempted by competent personnel. All major repair, and calibration work should be undertaken by a Ingersoll Rand trained, qualified and approved engineer.

HIGH PRESSURE DROP

High pressure drop will result in low pressure gauge readings or intermittent operation of the downstream equipment.

Possible Cause	Action Required
Filtration has not been correctly maintained.	If the element has been installed longer than 6 months ensure that they are both changed.
The inlet parameters have changed.	If the inlet flow-rate has increased ensure that the filters are re-sized accordingly.
	If the inlet temperature has increased verify that the filters are within specification. Ensure that the oil vapour removal filters are re-sized accordingly.
	If the inlet pressure has changed ensure that the filters are re-sized accordingly.
	Contact Ingersoll Rand for details on particle counting and air quality air measurement.
There is a pressure loss from the system.	Check for leaks in the piping and at connection points.
	Check to see if the downstream flow-rate demand has increased.

ANNEX A

INSTALLATION

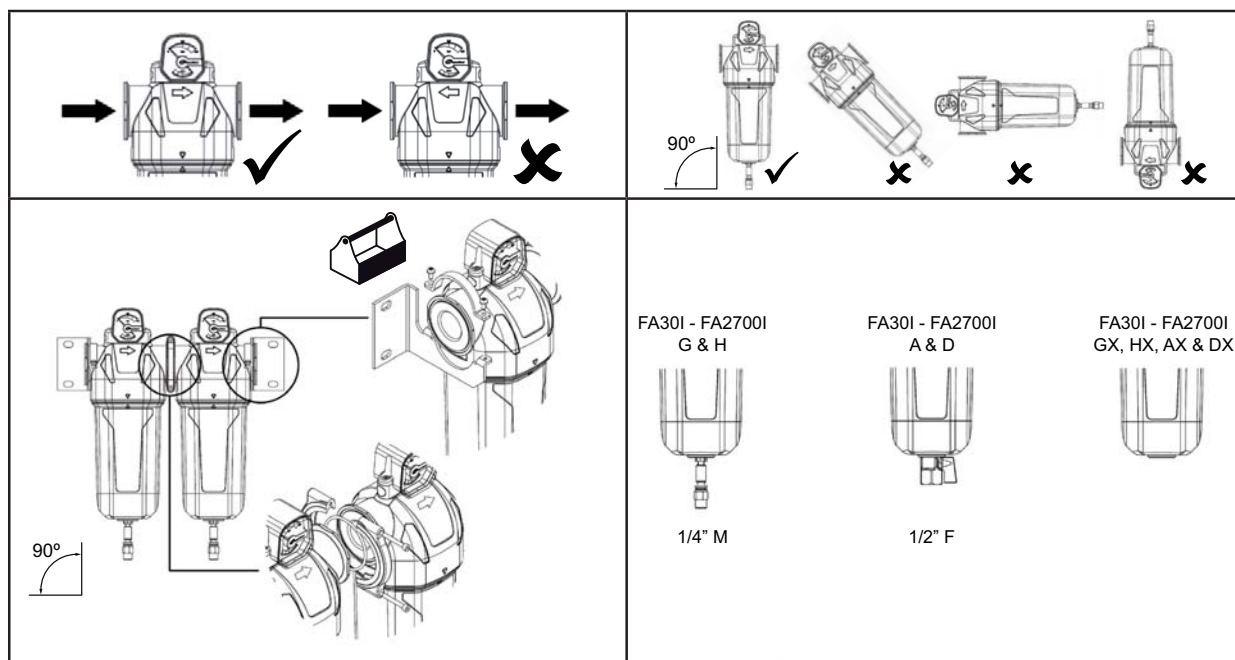


Table:1

START UP OPERATION

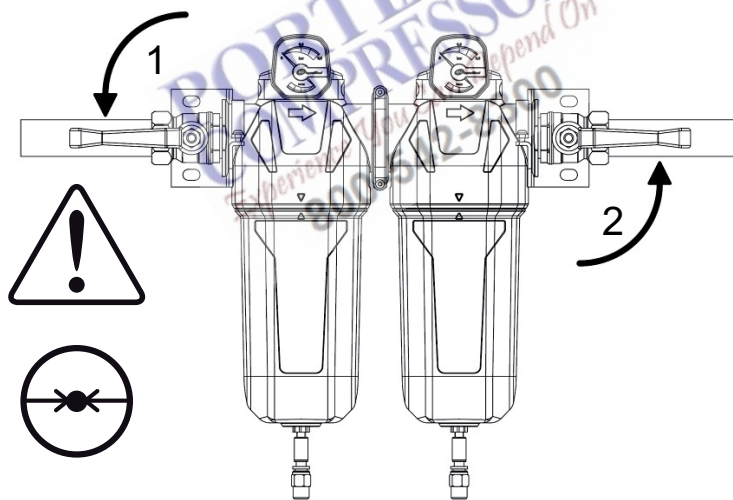


Figure :1

ACCESSORIES

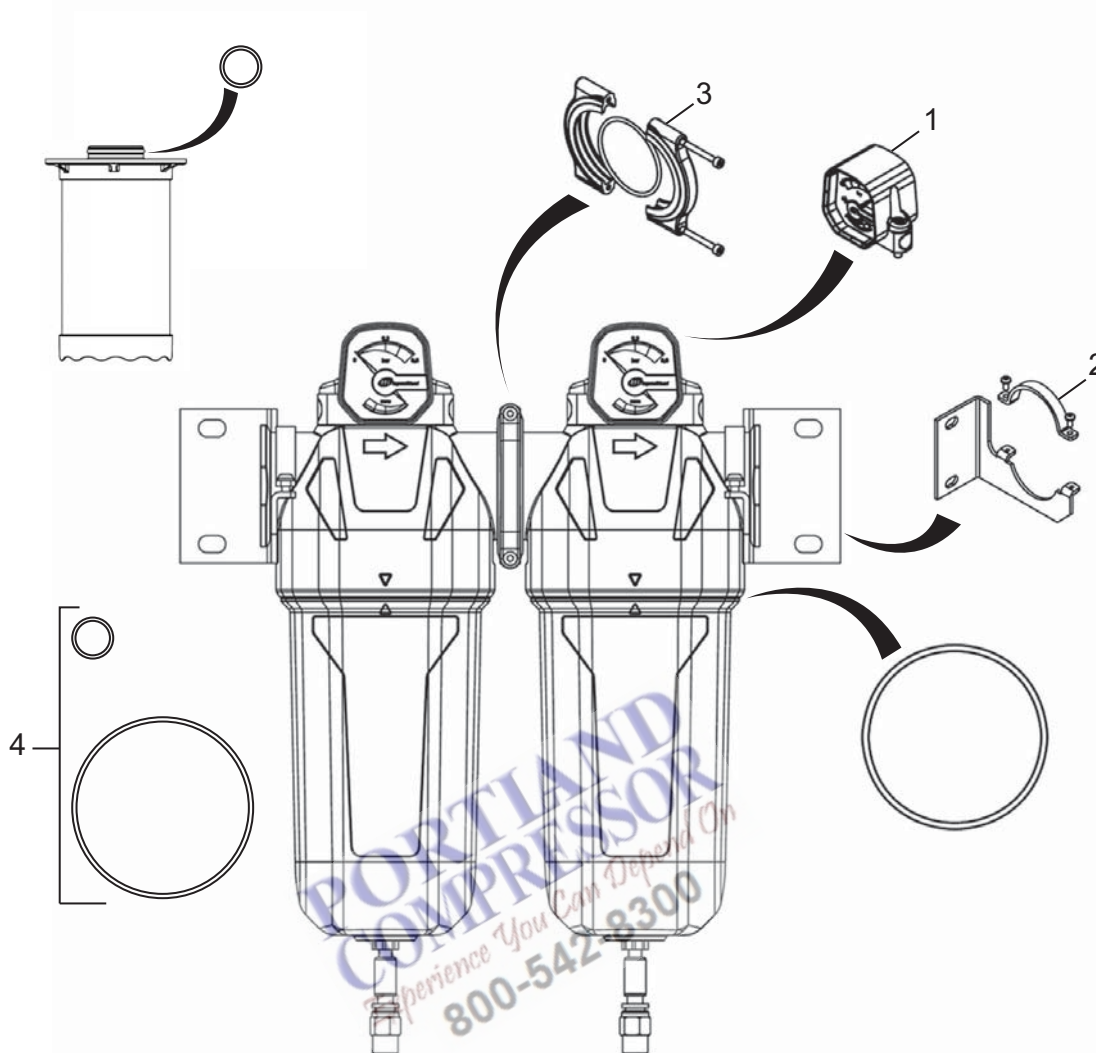


Figure:2

Item	CCN	Where Used
1	24356750	FA30I - FA40I (G, H, D) BSPT/bar
	24356768	FA30I - FA40I (G, H, D) NPT/psi
	24335044	FA75I - FA2700I (G, H, D) BSPT/bar
	24335051	FA75I - FA2700I (G, H, D) NPT/psi
2	24361966	FA30I - FA40I
	24361974	FA75I - FA110I
	24361982	FA150I - FA490I
	24361990	FA600I - FA1000I
	24362006	FA1200I - FA2700I
3	24361917	FA30I - FA40I
	24361925	FA75I - FA110I
	24361933	FA150I - FA490I
3	24361941	FA600I - FA1000I
	24361958	FA1200I - FA2700I

Item	CCN	Where Used
4	24356701	FA30I
	24334930	FA40I
	24334955	FA75I - FA110I
	24334963	FA150I - FA230I
	24334971	FA400I - FA490I
	24334989	FA600I - FA1000I
	24334997	FA1200I
	24335002	FA1560I - FA1820I
24335010	FA2300I - FA2700I	

Table:2

SPARE PARTS (SERVICE KIT)

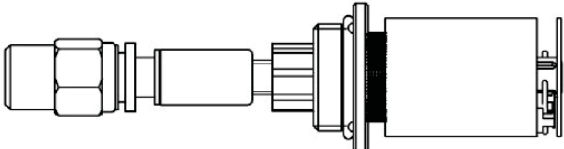
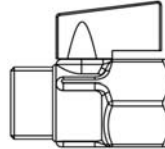
			
24335028	Automatic drain	24335036	Manual drain BSP

Figure:3

FA30I - FA2700I (G, H, A, D)

Model	Grade G			Grade H			Grade A			Grade D		
	Filter		Element	Filter		Element	Filter		Element	Filter		Element
	BSPT	NPT		BSPT	NPT		BSPT	NPT		BSPT	NPT	
FA30I	24356503	24356545	24356685	24356511	24356552	24356693	24356487	24356529	24356669	24356495	24356537	24356677
FA40I	24231870	24233280	24241846	24231896	24233306	24241853	24231821	24233231	24241812	24231854	24233264	24241838
FA75I	24231953	24233363	24241895	24231987	24233389	24241903	24231912	24233322	24241861	24231938	24233348	24241879
FA110I	24233124	24233447	24241952	24232050	24233462	24241960	24232001	24233405	24241929	24232027	24233421	24241937
FA150I	24232118	24233520	24242018	24232134	24233546	24242034	24232076	24233488	24241986	24232092	24233504	24242000
FA190I	24232191	24233603	24242083	24232217	24233629	24242091	24232159	24233561	24242059	24232175	24233587	24242067
FA230I	24232274	24233686	24242141	24232290	24233702	24242166	24232233	24233645	24242117	24232258	24233660	24242125
FA400I	24232365	24233769	24242208	24232381	24233785	24242224	24232316	24233728	24242174	24232340	24233744	24242190
FA490I	24232449	24233843	24242265	24232464	24233868	24242273	24232407	24233801	24242240	24232423	24233827	24242257
FA600I	24232522	24233926	24242307	24232548	24233942	24242315	24232480	24233884	24242281	24232506	24233900	24242299
FA800I	24232605	24234007	24242349	24232621	24234023	24242356	24232563	24233967	24242323	24232589	24233983	24242331
FA1000I	24232688	24234080	24242380	24232704	24234106	24242398	24232647	24234049	24242364	24232662	24234064	24242372
FA1200I	24232761	24234171	24242422	24232787	24234197	24242430	24232720	24234130	24242406	24232746	24234155	24242414
FA1560I	24232845	24234254	24242463	24232860	24234270	24242471	24232803	24234213	24242448	24232829	24234239	24242455
FA1830I	24232928	24234338	24242505	24232944	24234353	24242513	24232886	24234296	24242489	24232902	24234312	24242497
FA2300I	24233009	24234411	24242547	24233025	24234437	24242554	24232969	24234379	24242521	24232985	24234395	24242539
FA2700I	24233082	24234494	24242588	24233108	24234510	24242596	24233041	24234452	24242562	24233066	24234478	24242570

Table:3

FA30I X - FA2700I X (G, H, A, D)

Model	Grade G			Grade H			Grade A			Grade D		
	Filter		Element	Filter		Element	Filter		Element	Filter		Element
	BSPT	NPT		BSPT	NPT		BSPT	NPT		BSPT	NPT	
FA30I X	24356586	24356628	24356685	24356594	24356636	24356693	24356560	24356602	24356669	24356669	24356610	24356677
FA40I X	24231888	24233298	24241846	24231904	24233314	24241853	24231847	24233249	24241812	24241812	24233272	24241838
FA75I X	24231961	24233371	24241895	24231995	24233397	24241903	24231920	24233330	24241861	24241861	24233355	24241879
FA110I X	24232043	24233454	24241952	24232068	24233470	24241960	24232019	24233413	24241929	24241929	24233439	24241937
FA150I X	24232126	24233538	24242018	24232142	24233553	24242034	24232084	24233496	24241986	24241986	24233512	24242000
FA190I X	24232209	24233611	24242083	24232225	24233637	24242091	24232167	24233579	24242059	24242059	24233595	24242067
FA230I X	24232282	24233694	24242141	24232308	24233710	24242166	24232241	24233652	24242117	24242117	24233678	24242125
FA400I X	24232373	24233777	24242208	24232399	24233793	24242224	24232324	24233736	24242174	24242174	24233751	24242190
FA490I X	24232456	24233850	24242265	24232472	24233876	24242273	24232415	24233819	24242240	24242240	24233835	24242257
FA600I X	24232530	24233934	24242307	24232555	24233959	24242315	24232498	24233892	24242281	24242281	24233918	24242299
FA800I X	24232613	24234015	24242349	24232639	24234031	24242356	24232571	24233975	24242323	24242323	24233991	24242331
FA1000I X	24232696	24234098	24242380	24232712	24234122	24242398	24232654	24234056	24242364	24242364	24234072	24242372
FA1200I X	24232779	24234189	24242422	24232795	24234205	24242430	24232738	24234148	24242406	24242406	24234163	24242414
FA1560I X	24232852	24234262	24242463	24232878	24234288	24242471	24232811	24234221	24242448	24242448	24234247	24242455
FA1830I X	24232936	24234346	24242505	24232951	24234361	24242513	24232894	24234304	24242489	24242489	24234320	24242497
FA2300I X	24233017	24234429	24242547	24233033	24234445	24242554	24232977	24234387	24242521	24242521	24234403	24242539
FA2700I X	24233090	24234502	24242588	24233116	24234528	24242596	24233058	24234460	24242562	24242562	24234486	24242570

Table:4

MAINTENANCE

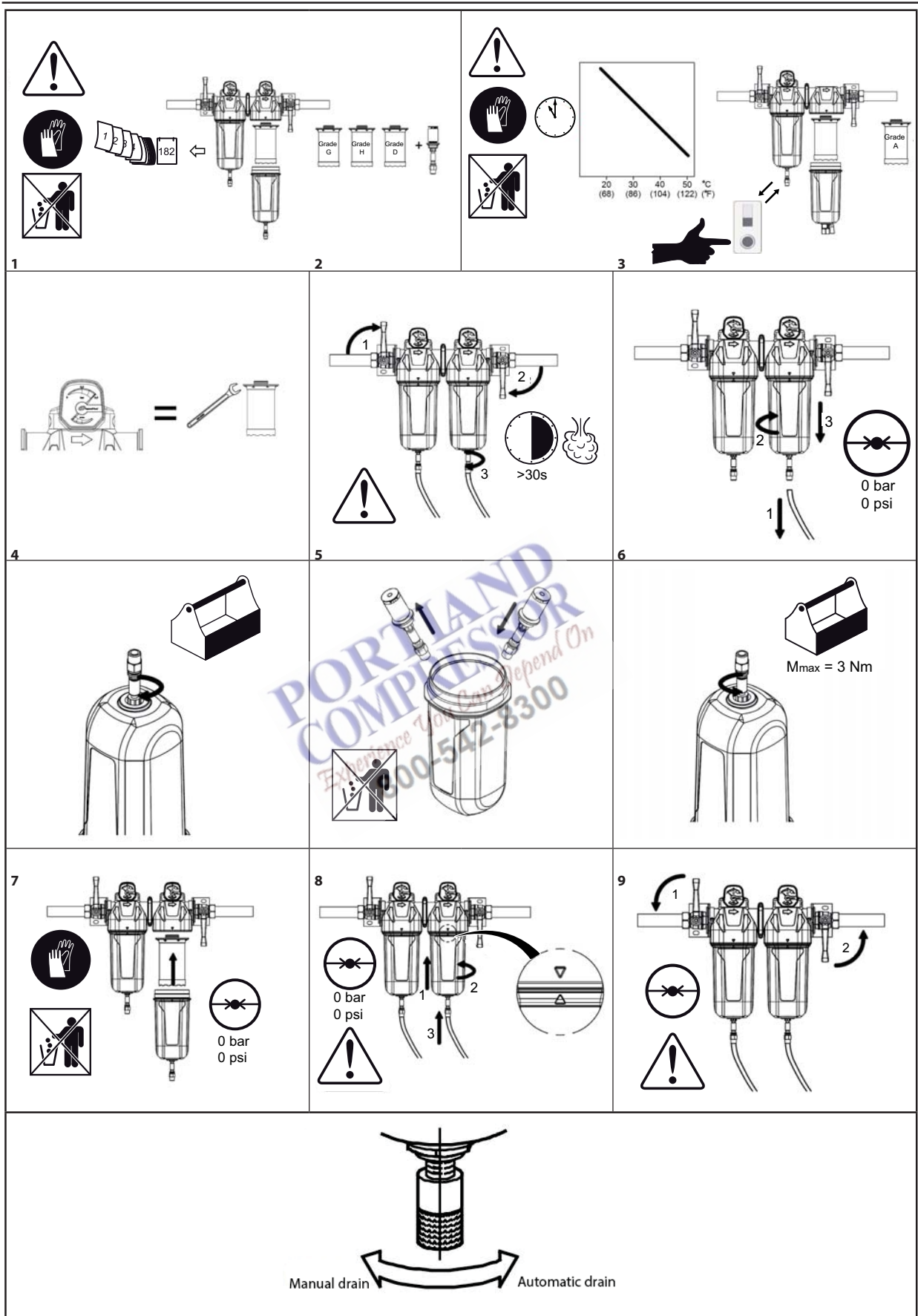


Table:5

EU DECLARATION OF CONFORMITY	
	(CS) PROHLÁŠENÍ O ZPŮSOBILOSTI (DA) KONFORMITETSERKLÄRING (NL) CONFORMITEITVERKLARING (ET) VASTAVUSDEKLARATSIOON (FI) VAKUUTUS NORMIEN TÄYTTÄMISESTÄ (FR) DÉCLARATION DE CONFORMITÉ (DE) KONFORMITÄTSEKTLÄRUNG
Ingersoll Rand	Manufacturer address: Plurifilter d.o.o. Obrtna cona 14, 1370 Logatec, Slovenia
We Plurifilter d.o.o. declare, under our sole responsibility for manufacture and supply, that the pressure equipment : FA Aluminium Compressed Air Filters	
(CS) My, společnost Plurifilter d.o.o., prohlašujeme na svoji výlučnou zodpovědnost vztahující se na výrobu a dodávky, že tlakové zařízení: (DA) Vi hos Plurifilter d.o.o. erklærer under eneansvar for fremstilling og levering, at det trykbærende udstyr: (NL) Wij, Plurifilter d.o.o. verklaren, als zijnde uitsluitend verantwoordelijk voor de productie en de levering, dat de drukapparatuur: (ET) Meie, Plurifilter d.o.o., teatame oma ainuisikulisel vastutusel tootmise ja tarne eest, et surveseadmed : (FI) Me, Plurifilter d.o.o., vakuutamme vastaten valmistuksesta ja toimituksesta, että painelaite : (FR) Nous, Plurifilter d.o.o., déclarons, sous notre seule responsabilité de fabricant et de fournisseur, que l'équipement sous pression : (DE) Wir, Plurifilter d.o.o., erklären, dass das Produkt:	
Model: FA30, 40, 75, 110, 150, 190, 230, 400, 490, 600, 800, 1000, 1100, 1200, 1560, 1830, 2300 & 2700 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX) FWS 3/8", FWS 1/2", FWS 3/4", FWS 1", FWS 1 1/2", FWS 2", FWS 3".	
(CS) Model (DA) Model (NL) Model (ET) Mudel (FI) Malli (FR) Modèle (DE) Modell	
Are in conformity with the provisions of the Pressure Equipment Directive 2014/68/EU of the European Parliament and falling under Category I, II and article 4.3.	
(CS) Ve shodě s ustanoveními Směrnice o tlakových zařízeních 2014/68/EU vydané Evropským parlamentem a spadající pod Kategorii I, II a článek 4.3. (DA) Overholder forskrifterne i direktivet for trykbærende udstyr 2014/68/EU udstedt af Europaparlamentet og henfalder under kategori I, II og artikel 4.3. (NL) Conformiteit met de bepalingen van de Richtlijn voor Drukapparatuur 2014/68/EU van het Europese Parlement, onder categorie I, II en artikel 4.3. (ET) Vastavus Euroopa Parlamendi surveseadmete direktiivi 2014/68/EL sätetele ning kuulumine kateooriasse 1 ja 2 ning artikli 4.3 reguleerimisalasse. (FI) Yhdenmukainen Euroopan parlamentin ja neuvoston painelaitteistodirektiivin 2014/68/EU kanssa ja kuuluu luokkien I ja II ja artiklan 4.3 mukaisiin laitteisiin. (FR) Conforme aux dispositions de la directive 2014/68/UE du Parlement européen et relevant de la catégorie I, II et de l'article 4.3. (DE) In Übereinstimmung mit den Bestimmungen der Druckgeräterichtlinie 2014/68/EU des Europäischen Parlaments und unter Kategorie I, II und Artikel 4.3.	
In accordance with the procedure of conformity assessment, this pressure equipment is classified under point 2 of the article 2	
(CS) V souladu s postupem posuzování shody je toto tlakové zařízení klasifikováno podle bodu 2 článku 2 (DA) Iht. proceduren for overensstemmelsesvurdering er dette trykbærende udstyr klassificeret under punkt 2 i artikel 2 (NL) Iht. proceduren for overensstemmelsesvurdering er dette trykbærende udstyr klassificeret under punkt 2 i artikel 2 (ET) Vastavalt vastavushindamise menetlusele liigitavad kõnealused surveseadmed artikli 2 punkti 2 alla (FI) Yhdenmukaisesti tämän vaatimustenmukaisuuden arviointitoimenpiteiden kanssa tämä painelaite on luokiteltu artiklan 2 kohdan 2 mukaiseksi (FR) Conformément à la procédure d'évaluation de la conformité, cet équipement sous pression est classé sous le point 2 de l'article 2 (DE) In Übereinstimmung mit dem Verfahren zur Konformitätsbewertung wird dieses Druckgerät unter Punkt 2 von Artikel 2 klassifiziert.	
Pressure equipment models classified to Article 4.3: FA30, 40, 75, 110, 150, 190, 230, 400 & 490 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX) FWS 3/8", FWS 1/2", FWS 3/4", FWS 1", FWS 1 1/2" (pressure equipment classified to art. 4.3 do not fall under requirements of PED 2014/68/EU)	
(CS) Modely tlakového zařízení klasifikované podle článku 4.3: (DA) Trykbærende udstyrsmodeller klassificeret under artikel 4.3: (NL) Modellen van drukapparatuur geassocieerd onder artikel 4.3: (ET) Vastavalt artikli 4.3 liigitatavad surveseadmete mudelid: (FI) Painelaitemallit, jotka on luokiteltu artiklassa 4.3: (FR) Painelaitemallit, jotka on luokiteltu artiklassa 4.3: (DE) Druckgerätemodelle, die nach Artikel 4.3 klassifiziert sind	
Pressure equipment models classified to category I: FA600, 800, 1000, 1100, 1200, 1560 & 1830 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX) FWS 2", FWS 3".	Pressure equipment models classified to category - II: FA2300 & 2700 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX)
(CS) Modely tlakového zařízení klasifikované podle kategorie I: (DA) Trykbærende udstyrsmodeller klassificeret under kategori I: (NL) Modellen van drukapparatuur geassocieerd onder categorie I: (ET) Vastavalt kateooriale I liigitatavad surveseadmete mudelid: (FI) Painelaitemallit, jotka on luokiteltu luokkaan I: (FR) Modèles d'équipements sous pression classés dans la catégorie I: (DE) Modèles d'équipements sous pression classés dans la catégorie I:	
By using the following Principle Standards: Designed acc. to PED 2014/68/EU. Used Harmonized standards: EN12392 (EN1706), EN13445:5, EN10204 Used non harmonized standards: BS ISO 12500, ISO8573	
(CS) Za použití následujících hlavních norem: (DA) Za použití následujících hlavních norem: (NL) Door de volgende principenormen te gebruiken: (ET) Järgmiste põhistandardite kasutamise korral: (FI) Järgmiste põhistandardite kasutamise korral: (FR) En observant les normes de principe suivantes : (DE) unter Anlehnung an die folgenden Grundnormen entsprechen:	
Used conformity assessment procedure: PED Module D1 (cat. II)	
(CS) Použitý postup posuzování shody: (DA) Anvendt procedure for overensstemmelsesvurdering: (NL) Gebruikte beoordelingsprocedure voor conformiteit: (ET) Kasutatav vastavushindamise menetlus: (FI) Kasutatav vastavushindamise menetlus: (FR) Procédure d'évaluation de la conformité utilisée: (DE) Angewendetes Verfahren zur Konformitätsbewertung:	
Date / Place: November, 2016 / Obrtna cona 14, 1370 Logatec, Slovenia	
(CS) Datum / místo : (DA) Dato / Place: (NL) Datum / Plaats: (ET) Kuupäev / Koht: (FI) Päiväys / Paikka: (FR) Date / Lieu: (DE) Datum / Ort:	
Notified Body No.: 1370 - Bureau Veritas Italia,Spa	
(CS) Notifikovaná osoba č. (DA) Anmeldt myndighedsnummer: (NL) Nr. aangemelde instantie: (ET) Teavitatud asutus nr: (FI) Ilmoitettu rungonnumero: (FR) N° de l'organisme notifié : (DE) Nummer der benannten Stelle:	
Certificate of QSA No.: E-1370-PED-D1-PFI 001-16-SVN Certificate of ISO 9001 No.:SL22173Q, issued by BVC	
(CS) Osvědčení o provedení auditu QSA č.: (DA) QSA-nummerets certifikat: (NL) Nr. QSA-certificaat: (ET) QSA sertifikaat nr: (FI) QSA-sertifikaatin numero: (FR) QSA-sertifikaatin numero: (DE) QSA-Zertifikat Nr.:	
Approved By:	
(CS) Schválil: (DA) Godkendt af: (NL) Approved By: (ET) Kinnitatud: (FI) Hyväksynyt: (FR) Approuvé par : (DE) Approved By:	
 GM: Giovanni Battista Capellari	

EU DECLARATION OF CONFORMITY



(EL) ΔΗΛΩΣΗ ΣΥΜΒΑΤΟΤΗΤΑΣ (HU) MEGFELELŐSÉGI NYILATKOZAT (IT) DICHIARAZIONE DI CONFORMITÀ (LV) ATBILSTĪBAS DEKLARĀCIJA (LT) ATITIKTIES DEKLARACIJA (MT) DECLARATION OF CONFORMITY (NO) KONFORMITETSERKLÆRING

Ingersoll Rand Manufacturer address: **Plurifilter d.o.o. Obrtna cona 14, 1370 Logatec, Slovenia**

We Plurifilter d.o.o. declare, under our sole responsibility for manufacture and supply, that the pressure equipment : FA Aluminium Compressed Air Filters

(EL) Εμείς, η Plurifilter d.o.o. δηλώνουμε, φέροντας την αποκλειστική ευθύνη για την κατασκευή και την προμήθεια, ότι ο εξοπλισμός πίεσης: (HU) Cégünk, a Plurifilter d.o.o. kizárólagos gyártói és beszállítói felelőssége körében kijelenti, hogy a nyomástartó berendezés : (IT) La Plurifilter d.o.o. dichiara, sotto la sua unica responsabilità per produzione e fornitura, che l'attrezzatura a pressione : (LV) Mēs, Plurifilter d.o.o., ar pilnu atbildību paziņojam, ka attiecībā uz ražošanu un piegādi spiediena iekārta: (LT) Mes, „Plurifilter d.o.o.“, savo išimtine atsakomybe uvy gamybą ir tiekiamą pareiškiamė, kad slėginė įranga (MT) Aħna Plurifilter d.o.o. niddikjaraw, taħt ir-responsabbiltà waħdanija tagħna għall-manifattura u provvista, li l-apparat tal-pressjion (NO) Vi Plurifilter d.o.o. erklærer, under eneansvar for produksjon og leveranse, at trykkutstyret:

Model: FA30, 40, 75, 110, 150, 190, 230, 400, 490, 600, 800, 1000, 1100, 1200, 1560, 1830, 2300 & 2700 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX) FWS 3/8", FWS 1/2", FWS 3/4", FWS 1", FWS 1 1/2", FWS 2", FWS 3".

(EL) μοντέλο (HU) Típus (IT) modello (LV) Modelis (LT) Modelis (MT) Mudell (NO) Modell

Are in conformity with the provisions of the Pressure Equipment Directive 2014/68/EU of the European Parliament and falling under Category I, II and article 4.3.

(EL) Συμμόρφωση με τις διατάξεις της Οδηγίας για Εξοπλισμό υπό Πίεση 2014/68/ΕΕ του Ευρωπαϊκού Κοινοβουλίου και που εμπίπτει στην Κατηγορία I, II και άρθρο 4.3. (HU) Megfelel a nyomástartó berendezésekre vonatkozó, 2014/68/EU számú európai parlamenti irányelv rendelkezéseinek, továbbá az I., II. kategóriába és a 4.3-as cikk hatálya alá tartozik. (IT) Conformità alle disposizioni della Direttiva sulle attrezzature a pressione 2014/68/UE del Parlamento Europeo, ricadente nella categoria I, II e nell'articolo 4.3. (LV) Atbilst Eiropas Parlamenta Spiediena iekārta direktīvai 2014/68/ES, uz kuru attiecas I, II kategorija un 4.3. pants, noteikumiem. (LT) Atitiktis Europos Parlamento Slėginės įrangos direktyvos 2014/68/ES nuostatoms priskiriama I ir II kategorijoms ir atitinka 4.3 straipsnį. (MT) Konformità mad-dispożizzjonijiet tad-Direttiva dwar l-Apparat ta' Pressjoni 2014/68 / UE tal-Parlament Ewropew u li jaqgħu taħt il-Kategorija I, II u l-Artikolu 4.3. (NO) Samsvar med reglene til Pressure Equipment Directive (trykkutstyrsdirektivet) 2014/68/ EU av Europaparlamentet som faller under kategori I, II og artikkel 4.3.

In accordance with the procedure of conformity assessment, this pressure equipment is classified under point 2 of the article 2

(EL) Σύμφωνα με τη διαδικασία αξιολόγησης της συμμόρφωσης, αυτός ο εξοπλισμός υπό πίεση ταξινομείται υπό το σημείο 2 του άρθρου 2 (HU) A megfelelőségi vizsgálat alapján a nyomástartó berendezés az 2. cikk 2. pontja alá tartozik. (IT) Secondo le procedure di valutazione della conformità, questo apparecchio a pressione viene classificato al punto 2 dell'articolo 2 (LV) Saskaņā ar atbilstības novērtēšanas kārtību šī spiediena iekārta tiek klasificēta atbilstoši 2 panta 2 punktam (LT) Pagal atitikties įvertinimo procedūra šī slėginė įranga klasifikuojama pagal 2 straipsnio 2 punktą. (MT) Skont il-proċedura ta' valutazzjoni tal-konformità, dan l-apparat tal-pressjoni huwa klassifikat taħt il-punt 2 tal-artikolu 2 (NO) I henhold til prosedyrene for samsvarsvurdering, dette trykkutstyret er klassifisert under punkt 2 i artikkel 2

Pressure equipment models classified to Article 4.3: FA30, 40, 75, 110, 150, 190, 230, 400 & 490 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX) FWS 1/2", FWS 3/4", FWS 1", FWS 1 1/2" (pressure equipment classified to art. 4.3 do not fall under requirements of PED 2014/68/EU)

(EL) Μοντέλα εξοπλισμού υπό πίεση που ταξινομούνται σύμφωνα με το Άρθρο 4.3: (HU) A 4.3 cikk szerinti kategóriába tartozó nyomástartó berendezés: (IT) Modelli di apparecchi a pressione classificati nell'Articolo 4.3: (LV) Modeļļi di apparecchi a pressione classificati nell'Articolo 4.3: (LT) Slėginės įrangos modeliai klasifikuojami pagal 4.3 straipsnį: (MT) Mudelli ta' apparat tal-pressjoni klassifikati skont l-Artikolu 4.3: (NO) Trykkutstyrsmodeller klassifisert til artikkel 4.3:

Pressure equipment models classified to category I: FA600, 800, 1000, 1100, 1200, 1560 & 1830 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX) FWS 2", FWS 3".

Pressure equipment models classified to category - II: FA2300 & 2700 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX)

(EL) Μοντέλα εξοπλισμού υπό πίεση που ταξινομούνται σύμφωνα με την κατηγορία I: (HU) Az I. kategóriába tartozó nyomástartó berendezés: (IT) Modelli di apparecchi a pressione classificati nella categoria I: (LV) Spiediena iekārta modelji klasificēti atbilstoši I kategorijai: (LT) Slėginės įrangos modeliai priskiriami I kategorijai: (MT) Mudelli ta' apparat tal-pressjoni klassifikati skont il-kategorija I: (NO) Trykkutstyrsmodeller klassifisert til kategori I:

By using the following Principle Standards: Designed acc. to PED 2014/68/EU.

Used Harmonized standards: EN12392 (EN1706), EN13445:5, EN10204 Used non harmonized standards: BS ISO 12500, ISO8573

(CS) Za použití následujících hlavních norem: (DA) Za použití následujících hlavních norem: (NL) Door de volgende principenormen te gebruiken:

(ET) Järgmistele põhistandarditele kasutamise korral: (FI) Järgmistele põhistandarditele kasutamise korral: (FR) En observant les normes de principe suivantes :

(DE) unter Anlehnung an die folgenden Grundnormen entsprechen: (EL) Χρησιμοποιώντας τα ακόλουθα Πρότυπα Αρχών: (HU) A következő elvi szabványok alkalmazásával: (IT) A következő elvi szabványok alkalmazásával: (LV) A következő elvi szabványok alkalmazásával: (LT) Remiantis šiais pagrindiniais standartais: (MT) Bl-użu tal-Istandards tal-Prinċipju segwenti: (NO) Ved å bruke følgende prinsippstandarder:

Used conformity assessment procedure: PED Module D1 (cat. II)

(EL) Χρησιμοποιούμενη διαδικασία αξιολόγησης της συμμόρφωσης: (HU) Az alkalmazott megfelelőségi vizsgálati eljárás megnevezése: (IT) Utilizzata la procedura di valutazione della conformità: (LV) Izmantotā atbilstības novērtēšanas procedūra: (LT) Taikyta atitikties įvertinimo procedūra: (MT) Intużat il-proċedura ta' valutazzjoni tal-konformità: (NO) Brukt samsvarsvurderingsmetode:

Date / Place: November, 2016 / Obrtna cona 14, 1370 Logatec, Slovenia

(EL) Ημερομηνία / Τόπος: (HU) Dátum / Hely: (IT) Data / Posto: (LV) Datums/ Vieta: (LT) Data / Vieta: (MT) data / post (NO) Dato / Sted:

Notified Body No.: 1370 - Bureau Veritas Italia, Spa

(EL) Κοινοποιημένος οργανισμός Αρ.: (HU) Bejelentett szervezet száma: (IT) Organismo notificato N.: (LV) Pilnvarotās iestādes Nr.: (LT) Notifikuotoji įstaiga Nr.: (MT) Nru tal-korp notifikat: (NO) Teknisk kontrollorgannr.:

Certificate of QSA No.: E-1370-PED-D1-PFI 001-16-SVN Certificate of ISO 9001 No.:SL22173Q, issued by BVC

(EL) Πιστοποιητικό QSA Αρ.: (HU) Minőségügyi rendszer tanúsítási száma: (IT) Certificato di QSA N.: (LV) QSA sertifikāts Nr.: (LT) Kvalifikuoto saugos vertintojo sertifikatas Nr.: (MT) Nru taċ-ċertifikat QSA: (NO) QSA-sertifikatnr.:

Approved By:

(EL) Εγκρίθηκε από: (HU) Jóváhagyta: (IT) Jóváhagyta: (LV) Apstiprināja: (LT) Patvirtinta: (MT) Approved By: (NO) Godkjent av:

GM: Giovanni Battista Capellari

EU DECLARATION OF CONFORMITY



(PL) CERTYFIKAT ZGODNOŚCI (PT) DECLARAÇÃO DE CONFORMIDADE (RU) ДЕКЛАРАЦИЯ СООТВЕТСТВИЯ (SK) PREHLÁSENIE O ZHODE (SL) IZJAVA O SKLADNOSTI (ES) DECLARACIÓN DE CONFORMIDAD (SV) FÖRSÄKRAN OM ÖVERENSSTÄMMELSE (TU) UYGUNLUK BİLDİRİMİ

Ingersoll Rand Manufacturer address: **Plurifilter d.o.o. Obrtna cona 14, 1370 Logatec, Slovenia**

We Plurifilter d.o.o. declare, under our sole responsibility for manufacture and supply, that the pressure equipment : FA Aluminium Compressed Air Filters

(PL) My, firma Plurifilter d.o.o., biorąc pełną odpowiedzialność za wykonanie i dostawę, oświadczamy, że urządzenia ciśnieniowe: (PT) Nós, Plurifilter d.o.o. declaramos, enquanto únicos responsáveis pelo fabrico e fornecimento, que o equipamento sob pressão: (RU) Мы, компания Plurifilter d.o.o., принимая полную ответственность за производство и поставки, заявляем, что напорное оборудование: (SK) My, spoločnosť Plurifilter d.o.o., vyhlasujeme na svoju výlučnú zodpovednosť za výrobu a dodávku, že tlakové zariadenia: (SL) Podjetje Plurifilter d.o.o. z izključno odgovornostjo za proizvodnjo in dobavo izjavlja, da je tlačna oprema: (ES) Nosotros, Plurifilter d.o.o., declaramos bajo nuestra única responsabilidad de fabricación y suministro que el equipo a presión: (SV) Vi Plurifilter d.o.o. deklarerar, under eget ansvar för tillverkning och leverans, att tryckutrustningen: (TU) Plurifilter d.o.o. olarak, üretim ve tedarikle ilgili mutlak sorumluluğumuz altında basınç ekipmanına ilişkin olarak şunları beyan ederiz:

Model: FA30, 40, 75, 110, 150, 190, 230, 400, 490, 600, 800, 1000, 1100, 1200, 1560, 1830, 2300 & 2700 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX) FWS 3/8", FWS 1/2", FWS 3/4", FWS 1", FWS 1 1/2", FWS 2", FWS 3".

(PL) Model (PT) Modelo (RU) Модель (SK) Model (SL) Model (ES) Modelo (SV) Modell (TU) Model

Are in conformity with the provisions of the Pressure Equipment Directive 2014/68/EU of the European Parliament and falling under Category I, II and article 4.3.

(PL) Zgodność z postanowieniami dyrektywy dotyczącej urządzeń ciśnieniowych 2014/68/WE Parlamentu Europejskiego, a także kategorią I, II i artykułem 4.3 (PT) Conformidade com o disposto na Diretiva Equipamentos sob Pressão 2014/68/EU do Parlamento Europeu enquadrado nas Categorias I, II e artigo 4.3. (RU) Соответствует нормам Директивы Европарламента 2014/68/EC о напорном оборудовании, относится к категориям I, II и статье 4.3. (SK) Súlad s ustanoveniami smernice 2014/68/ES Európskeho parlamentu o tlakových zariadeniach, na ktoré sa vzťahuje kategória I, II a článok 4.3 (SL) "Skladnost z določbami uredbe za tlačno opremo 2014/68/EU Evropskega parlamenta glede na kategorijo I, II, člen 4.3. (ES) Conformidad con las estipulaciones de la Directiva de equipos a presión 2014/68/EU del Parlamento Europeo incluida en las categorías I, II y en el artículo 4.3 (SV) Överensstämmelse med bestämmelserna i Europaparlamentets Direktiv om tryckbärande anordningar 2014/68/EU och omfattas av kategori I, II och artikel 4.3. (TU) Avrupa Parlamentosu Basın Materyali Direktifi 2014/68 / AB hükümleri ve Kategori I, II ve 4.3. Maddenin altına giren hükümlerle uyumludur.

In accordance with the procedure of conformity assessment, this pressure equipment is classified under point 2 of the article 2

(PL) Stosownie do procedury oceny zgodności te urządzenia ciśnieniowe zostały zaklasyfikowane według punkt 2 Artykułu 2. (PT) Nos termos do procedimento de avaliação da conformidade, este equipamento sob pressão é classificado segundo o número 2 do artigo 2.º (RU) В соответствии с процедурой экспертизы на соответствие, это оборудование отнесено к статье 2, пункту 2. (SK) V súlade s postupom hodnotenia zhody je toto tlakové zariadenie klasifikované podľa bodu 2 článku 2 (SL) Skladno s postopkom ocene skladnosti je ta tlačna oprema klasificirana pod točko 2 člena 2. (ES) De acuerdo con el procedimiento de evaluación de conformidad, este equipo a presión está clasificado dentro del Punto 2 del Artículo 2 (SV) I enlighet med förfarandet för bedömning av överensstämmelse är denna tryckbärande anordningar klassificerade enligt punkt 2 i artikel 2 (TU) Uygunluk değerlendirme prosedürüne göre, bu basınçlı ekipman 2 bendinin 2 maddesi altında sınıflandırılır.

Pressure equipment models classified to Article 4.3: FA30, 40, 75, 110, 150, 190, 230, 400 & 490 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX) FWS 3/8", FWS 1/2", FWS 3/4", FWS 1", FWS 1 1/2" (pressure equipment classified to art. 4.3 do not fall under requirements of PED 2014/68/EU)

(PL) Modele urządzeń ciśnieniowych zaklasyfikowano według Artykułu 4.3: (PT) Modelos de equipamentos sob pressão classificados segundo o artigo 4.3.: (RU) Модели напорного оборудования, отнесенные к статье 4.3: (SK) Modely tlakových zariadení klasifikované podľa článku 4.3: (SL) Model tlačne opreme je klasificiran v člen 4.3: (ES) Modelos de equipos a presión clasificados en el Artículo 4.3: (SV) Modeller av tryckbärande anordningar klassificerade enligt artikel 4.3: (TU) 4.3 bendine göre sınıflandırılan basınçlı ekipman modelleri:

Pressure equipment models classified to category I: FA600, 800, 1000, 1100, 1200, 1560 & 1830 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX) FWS 2", FWS 3".

Pressure equipment models classified to category - II: FA2300 & 2700 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX)

(PL) Modele urządzeń ciśnieniowych zaklasyfikowano do kategorii I: (PT) Modelos de equipamentos sob pressão classificados segundo a categoria I: (RU) Модели напорного оборудования, отнесенные к категории I: (SK) Modely tlakových zariadení klasifikované podľa kategórie I: (SL) Model tlačne opreme je klasificiran v kategorijo I: (ES) Modelos de equipos a presión clasificados en la Categoría I: (SV) Modeller av tryckbärande anordningar klassificerade enligt kategori I: (TU) Kategorii I'e göre sınıflandırılan basınçlı ekipman modelleri:

By using the following Principle Standards: Designed acc. to PED 2014/68/EU.

Used Harmonized standards: EN12392 (EN1706), EN13445:5, EN10204 Used non harmonized standards: BS ISO 12500, ISO8573

(PL) i spełniają wymogi następujących podstawowych norm: (PT) Utilizando as normas de princípio seguintes: (RU) При использовании следующих основных стандартов: (SK) Pri dodržaní nasledovných noriem: (SL) Uporabljeni osnovni standardi: (ES) Utilizando los siguientes estándares de principio: (SV) Genom användning av följande huvudstandarder: (TU) Aşağıdaki Temel Standartlar kullanılarak:

Used conformity assessment procedure: PED Module D1 (cat. II)

(PL) Zastosowana procedura oceny zgodności: (PT) Procedimento de avaliação da conformidade utilizado: (RU) Применена процедура экспертизы на соответствие: (SK) Použitý postup hodnotenia zhody: (SL) Uporabljeni postopek za oceno skladnosti: (ES) Procedimiento de evaluación de conformidad utilizado: (SV) Använt förfarande för bedömning av överensstämmelse: (TU) Kullanılan uygunluk değerlendirme prosedürü:

Date / Place: November, 2016 / Obrtna cona 14, 1370 Logatec, Slovenia

(PL) Data / Miejsce: (PT) Data / Lugar: (RU) Дата / место (SK) Dátum / Miesto: (SL) Datum / Kraj: (ES) Fecha / Lugar: (SV) Datum / Plats: (TU) Tarih / yer :

Notified Body No.: 1370 - Bureau Veritas Italia, Spa

(PL) Nr jednostki notyfikowanej: (PT) Nr jednostki notyfikowanej: (RU) Нотифицированный орган сертификации № (SK) Uповедomený orgán č.: (SL) Št. priglāšenega organa: (ES) N.º de cuerpo notificado: (SV) Nummer på anmält organ: (TU) Onaylanmış Kurum No.:



Certificate of QSA No.: E-1370-PED-D1-PFI 001-16-SVN Certificate of ISO 9001 No.:SL22173Q, issued by BVC

(PL) Nr świadectwa zapewnienia systemu jakości (QSA): (PT) Certificado de avaliação do sistema qualidade (QSA) n.º: (RU) Сертификат агентства обеспечения качества (QSA) № (SK) Certifikát QSA č.: (SL) Št. potrdila QSA: (ES) N.º de certificado QSA: (SV) N.º de certificado QSA: (TU) QSA Sertifika No.:

Approved By:

(PL) Zatwierdził: (PT) Aprovado Por: (RU) Утверждено: (SK) Schválil: (SL) Odobril: (ES) Aprobado por: (SV) Godkánt av: (TU) Onaylayan:

GM: Giovanni Battista Capellari

EU DECLARATION OF CONFORMITY	
	(ZH) 符合标准声明
Ingersoll Rand	Manufacturer address: Plurifilter d.o.o. Obrtna cona 14, 1370 Logatec, Slovenia
We Plurifilter d.o.o. declare, under our sole responsibility for manufacture and supply, that the pressure equipment : FA Aluminium Compressed Air Filters	
(ZH) 我们 Plurifilter d.o.o. 郑重声明, 独家生产和制造如下压力设备: FA系列铸铝压缩空气过滤器	
Model: FA30, 40, 75, 110, 150, 190, 230, 400, 490, 600, 800, 1000, 1100, 1200, 1560, 1830, 2300 & 2700 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX) FWS 3/8", FWS 1/2", FWS 3/4", FWS 1", FWS 1 1/2", FWS 2", FWS 3".	
(ZH) 型号	
Are in conformity with the provisions of the Pressure Equipment Directive 2014/68/EU of the European Parliament and falling under Category I, II and article 4.3.	
(ZH) 符合欧洲议会压力设备指令 2014/68/EU 的条款, 并受到类别 I、II 和条款 4.3 的约束。	
In accordance with the procedure of conformity assessment, this pressure equipment is classified under point 2.1.1 of the article 1	
(ZH) 这种压力设备属于合格评定程序第1章第2节定义范畴。	
Pressure equipment models classified to Article 4.3: FA30, 40, 75, 110, 150, 190, 230, 400 & 490 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX) FWS 3/8", FWS 1/2", FWS 3/4", FWS 1", FWS 1 1/2" (pressure equipment classified to art. 4.3 do not fall under requirements of PED 2014/68/EU)	
(ZH) 被划入章节3.3的该压力设备型号有:	
Pressure equipment models classified to category I: FA600, 800, 1000, 1100, 1200, 1560 & 1830 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX) FWS 2", FWS 3".	Pressure equipment models classified to category - II: FA2300 & 2700 (ID, IG, IH, IA) & (IDX, IGX, IHX, IAX)
(ZH) 被划入类别I的该压力设备型号有	
By using the following Principle Standards: Designed acc. to PED 2014/68/EU. Used Harmonized standards: EN12392 (EN1706), EN13445:5, EN10204 Used non harmonized standards: BS ISO 12500, ISO8573	
(ZH) 所用压力容器标准:	
Used conformity assessment procedure: PED Module D1 (cat. II)	
(ZH) 所用合格评定程序:	
Date / Place: November, 2016 / Obrtna cona 14, 1370 Logatec, Slovenia	
(ZH) 日期/地址	
Notified Body No.: 1370 - Bureau Veritas Italia, Spa	
(ZH) 欧盟公告机构号:	
Certificate of QSA No.: E-1370-PED-D1-PFI 001-16-SVN Certificate of ISO 9001 No.:SL22173Q, issued by BVC	
(ZH) QSA证书编号:	
Approved By:	
(ZH) 批准:	
 GM: Giovanni Battista Capellari	

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