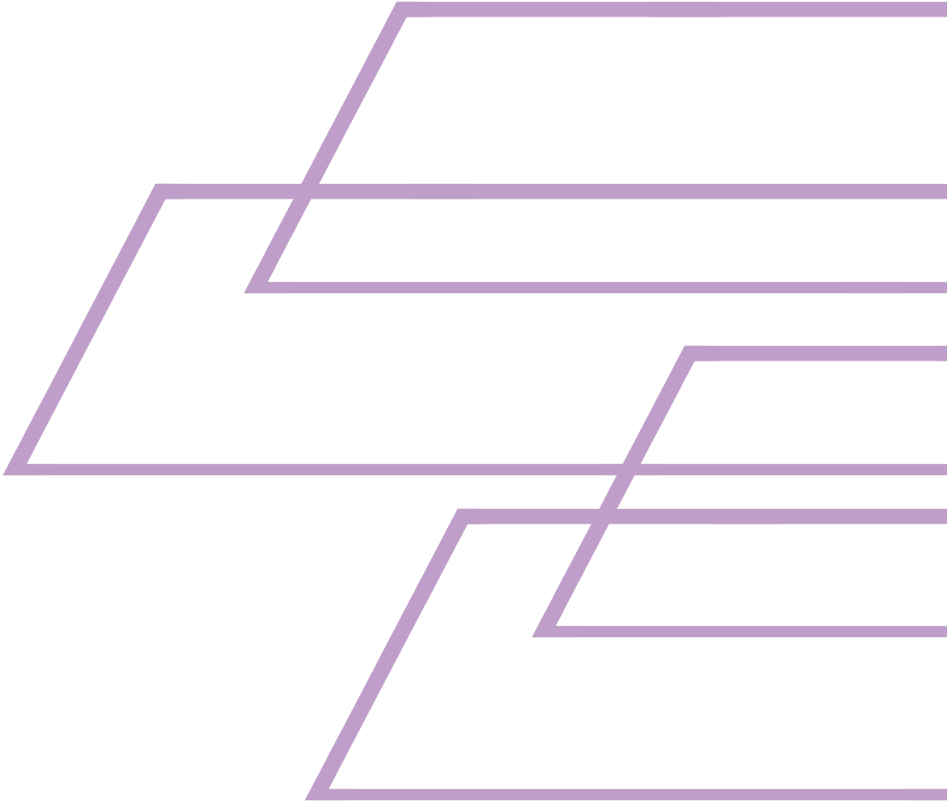




ITC



IO Just Press



# Summary

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International projection	6
Quality	8
Just Press	11



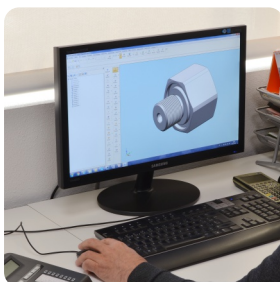


Ingeniería y Técnicas Clínicas (ITC) was founded in Madrid in 1989. The company was born with a clear vocation for the design and manufacture of medical devices.

Throughout all these years, ITC has been focused on a sole objective: to answer the needs of our clients, taking their problems and necessities as ours. We are aware that the only way to achieve success is to win our client's trust by sharing the same goals.

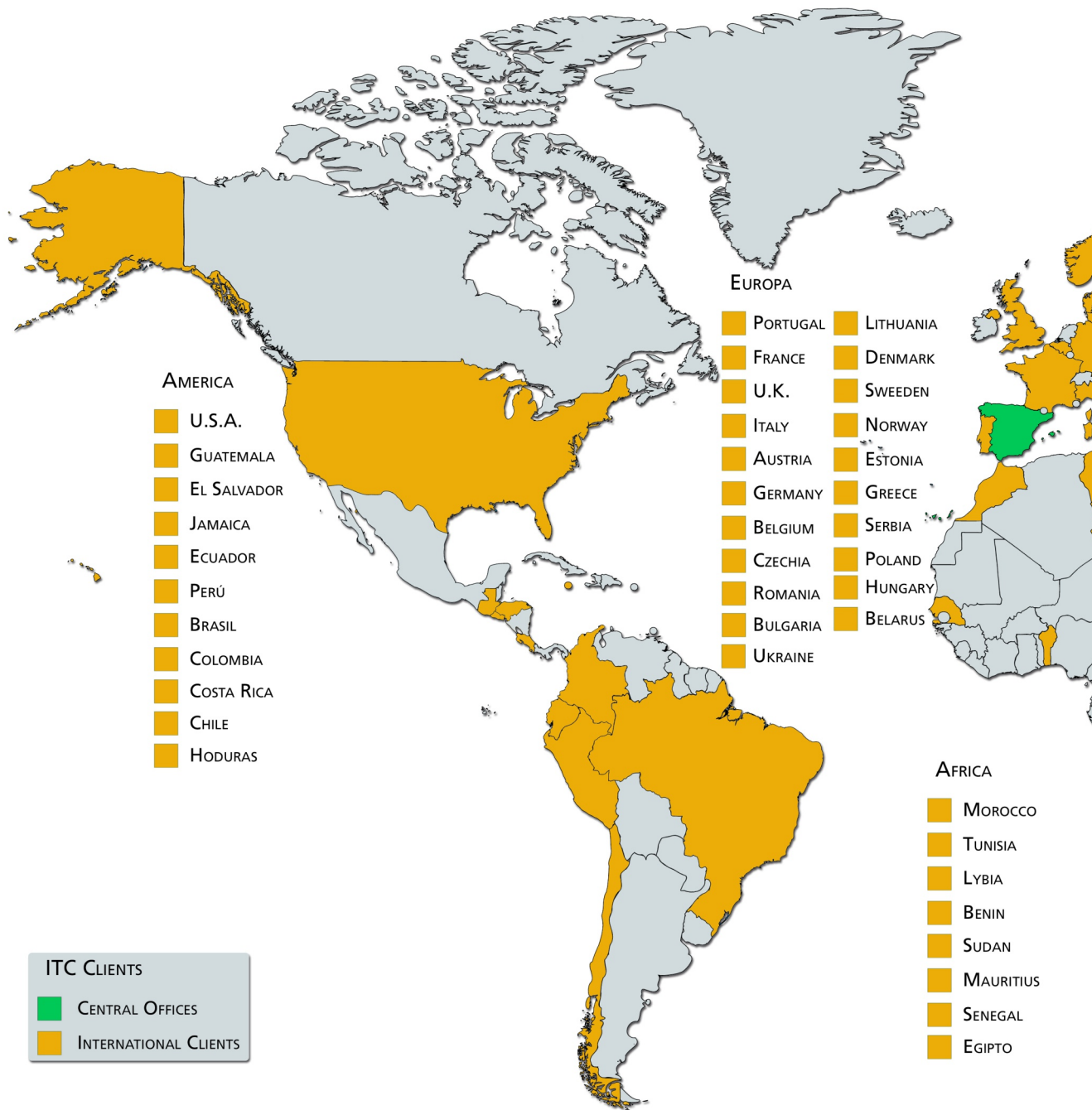
The fundamental values of ITC are flexibility, our capacity for development and the tireless pursuit of excellence. Flexibility not only in the designs, but also in the relationships with our customers and suppliers. Development capacity by having qualified professionals and advanced design and engineering tools to optimize our resources. And as a way to improve our products, the constant updating of our designs and manufacturing methods in search of excellence. There is a phrase that reflects the spirit of the ITC workers:

**“Problem-solving capacity is what distinguishes a leader from the rest”**



# Internacional Projection

TC has commercial agreements with numerous distributors all around the globe and we are all the time looking for new markets and oportunities to expand our presence.





Our export department is always willing to help and support our customers no matter the country or the language.

If you have any query please contact us: [impexp@itcsal.com](mailto:impexp@itcsal.com)

# Quality

TC applies to all its areas of activity, a high level of quality and demand, backed by the main quality certifications, keeping them always valid. All this with a serious commitment to respect the environment, taking the necessary measures to prevent pollution and minimize environmental impacts.

Our commitment to quality and excellence are vital to ensure the confidence of those who work with us, customers, suppliers and institutions with which we interact. This trust is a fundamental element of our competitive strength.









# Just Press

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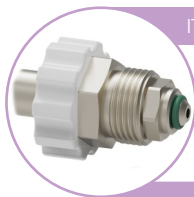


**JUST PRESS B** gas regulators are specially designed for its use in home oxygen therapy services or in hospital facilities with no oxygen piped network available.

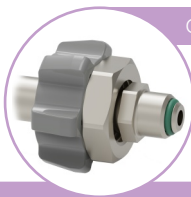


### Just Press B Features

- Piston gas regulators for its use on oxygen cylinders at 200 bar with a Spanish standard connector (*please consult our staff about other gases*).
- They incorporate a side gas outlet (*please see "Just Plug: Connectors and valves family" to consult the standards available*).
- They incorporate a double scale manometer (bar/psi) and color code, to read the pressure of the cylinder.



ITC EP-6



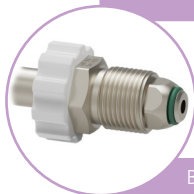
CGA V-1



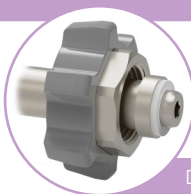
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### INLET CONNECTION STANDARDS

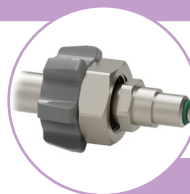
(Consult our staff about other standards)



BS 341-3



DIN 477-1

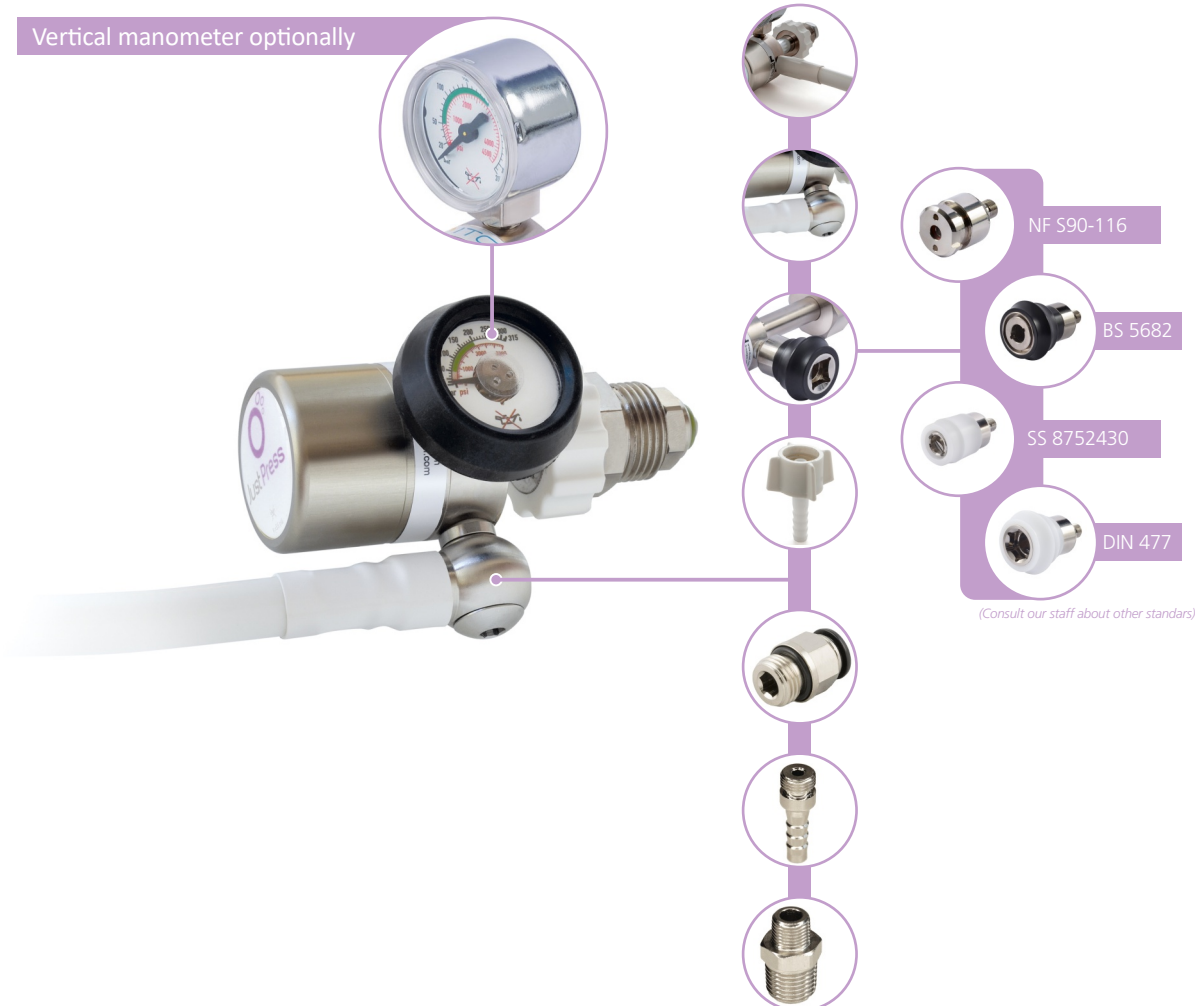


NF E29-116

## TECHNICAL SPECIFICATIONS

<b>Materials:</b>	Anodized Aluminium, Polycarbonate, ABS, Polyamide, Stainless steel and chromed brass
<b>Precision:</b>	± 10 %
<b>Maximum supply pressure:</b>	200 ba
<b>Outlet standard:</b>	DIN 13260, NF S 90-116, BS 5682, SS 8752430, ISO 18082 (NIST), CGA V-5 (DISS), etc...
<b>Inlet standard:</b>	ITC EP-6, BS-341, DIN 477, ISO 5145, CGA V-1, NF E29-650, etc...
<b>Point of design:</b>	4,5 ± 0,5 bar
<b>Calibration:</b>	101,3 kPa and 23 °C
<b>Dimensions:</b>	Ø40 x 140 mm
<b>Weight:</b>	625 grs
<b>Standards:</b>	In compliance with Directive 93/42/EEC In compliance with UNE-EN ISO 10524 In compliance with UNE-EN ISO 15002
<b>Classification:</b>	Class IIb

Vertical manometer optionally





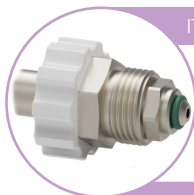
## N<sub>2</sub>/NO gas regulator with connector

**JUST PRESS B** gas regulators are specially designed for its use in hospital **N<sub>2</sub>/NO** therapy services.

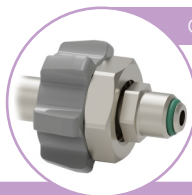


### Just Press B Features

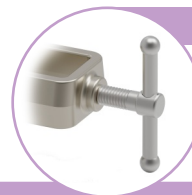
- Piston gas regulators for its use on **N<sub>2</sub>/NO** cylinders at 200 bar. Consult our staff about inlet connections.
- They incorporates a side gas outlet (please see "*Just Plug: Connectors and valves family*" to consult the standards available).
- They incorporate a double scale manometer (bar/psi) and color code, to read the pressure of the cylinder.



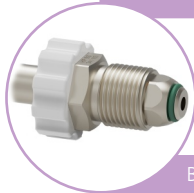
ITC EP-6



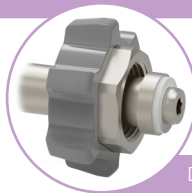
CGA V-1



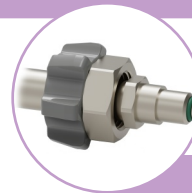
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BS 341-3



DIN 477-1



NF E29-116

### INLET CONNECTION STANDARDS

*(Consult our staff about other standards)*

### TECHNICAL SPECIFICATIONS

<b>Materials:</b>	Stainless Steel, Polycarbonate, ABS and FKM
<b>Precision:</b>	± 10 %
<b>Maximum supply pressure:</b>	200 bar
<b>Outlet connections:</b>	DIN 13260, NF S 90-116, BS 5682, SS 8752430, ISO 18082 (NIST), CGA V-5 (DISS), etc...
<b>Inlet connetions:</b>	ITC EP-6, BS-341, DIN 477, ISO 5145, CGA V-1, NF E29-650, etc...
<b>Point of design:</b>	4,5 ± 0,5 bar
<b>Calibration:</b>	101,3 kPa y 23 °C
<b>Dimensions:</b>	Ø40 x 140 mm
<b>Weight:</b>	1.200 grs
<b>Standards:</b>	In compliance with Directive 93/42/EEC In compliance with UNE-EN ISO 10524 In compliance with UNE-EN ISO 15002
<b>Classification:</b>	Class IIb

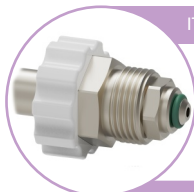
Gas regulator fixed output with ball flowmeter



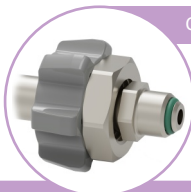
**Just Press F** regulators are specially designed for their use in hospital facilities with no oxygen piped network available, not recommended for care therapy services.

Just Press F Features

- Piston gas regulators for its use on oxygen cylinders at 200 bar with a Spanish standard connector (*please consult our staff about other gases*).
- They incorporate a ball flowmeter, which is **360° twistable** to facilitate the measurements. Available with **4, 6 or 15 l/min** scales.
- They incorporate a double scale manometer (bar/psi) and color code, to read the pressure of the cylinder.



ITC EP-6



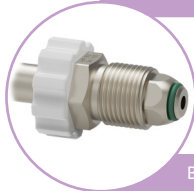
CGA V-1



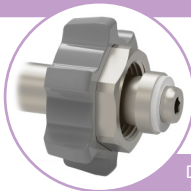
Pin-Index

INLET CONNECTION STANDARDS

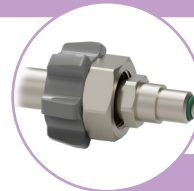
(Consult our staff about other standards)



BS 341-3



DIN 477-1



NF E29-116

TECHNICAL SPECIFICATIONS

<b>Materials:</b>	Anodized aluminium, Polycarbonate, Polyamide, stainless steel and chromed brass
<b>Precision:</b>	± 10 %
<b>Maximum inlet pressure:</b>	200 bar
<b>Available flows:</b>	0 - 4 l/min (max < 8 l/min) 0 - 6 l/min (max < 10 l/min) 0 - 15 l/min (max < 25 l/min)
<b>Inlet standards:</b>	ITC EP-6, BS 341-3, DIN 477, ISO 5145, CGA V-1, NF E29-650, etc...
<b>Outlet connection:</b>	DISS 9/16" with a tubing nozzle for removable tube
<b>Point of design:</b>	4.5 ± 0.5 bar
<b>Calibration:</b>	101,3 kPa and 23 °C
<b>Dimensions:</b>	145 x 180 x 100 mm
<b>Weight:</b>	655 g
<b>Standards:</b>	In compliance with Directive 94/43/EEC In compliance with UNE-EN ISO 10524 In compliance with UNE-EN ISO 15002
<b>Classification:</b>	Class IIb



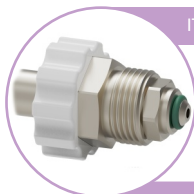


## Gas regulator fixed output with double outlet ball flowmeter

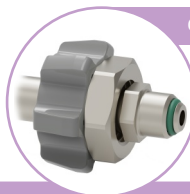


**Just Press F** gas regulators are specially designed to be used in medical facilities with no oxygen piped network available. It is not recommended for home care therapy services.

- Piston gas regulators for its use on oxygen cylinders at 200 bar with a Spanish standard connector (*consult our staff about other connections*).
- They have a flowmeter with 4, 6 or 15 l/min scales, 360° twistable to facilitate measurements.
- They also incorporate a pressure gauge to read the pressure of the bottle.
- The flowmeter has an inferior outlet for a humidifier bottle (*not included*) and a side one for a nebulizer, which can be easily selected by means of a quarter of a turn revolver.



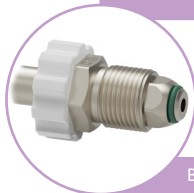
ITC EP-6



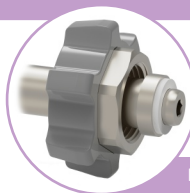
CGA V-1



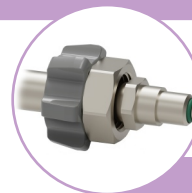
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BS 341-3



DIN 477-1



NF E29-116

### INLET CONNECTION STANDARDS

(Consult our staff about other standards)

### TECHNICAL SPECIFICATIONS

<b>Materials:</b>	Anodized aluminium, polycarbonate, ABS, Polyamide and chromed brass
<b>Maximum low flow:</b>	20 l/min
<b>Precision:</b>	± 10 %
<b>Maximum supply pressure:</b>	200 bar
<b>Available flows:</b>	0 - 4 l/min (max < 8 l/min) 0 - 6 l/min (max < 10 l/min) 0 - 15 l/min (max < 25 l/min)
<b>Inlet standards:</b>	ITC EP-6, BS-341, DIN 477, ISO 5145, CGA V-1, NF E29-650, etc...
<b>Outlet standar:</b>	DISS 9/16" outlet connection with a detachable tube pin
<b>Point of design:</b>	4.5 ± 0.5 bar
<b>Calibration:</b>	101,3 kPa and 23 °C
<b>Dimensions:</b>	145 x 180 x 100 mm
<b>Weight:</b>	990 g
<b>Standards:</b>	In compliance with Directive 94/43/EEC In compliance with UNE-EN ISO 10524 In compliance with UNE-EN ISO 15002
<b>Classification:</b>	Class IIb

Gas regulator with dial flowmeter

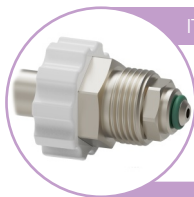


**Just Press P** are specially designed for its use either in home oxygen therapy services or in hospital facilities with no oxygen piped network available. Its simple and robust design includes flow selector and the possibility to add quick pressure connections.

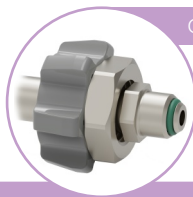


Just Press P features

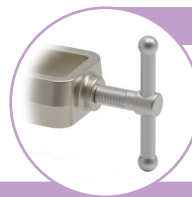
- Piston gas regulators for its use on oxygen cylinders at 200 bar (*please consult our staff about other gases*).
- Turning the top control button the operator can select the flow that will be supplied by its inferior connection. This selection appears in the front display. Models available for oxygen and medical air with **2, 4, 6, 8, 15, 30 or 50 l/min** top range.
- Self-centering of the flow.
- They incorporate a double scale manometer (bar/psi) and color code, to read the pressure of the cylinder.



ITC EP-6



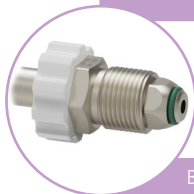
CGA V-1



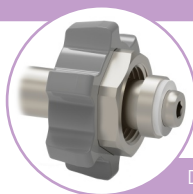
Pin-Index

INLET CONNECTION STANDARDS

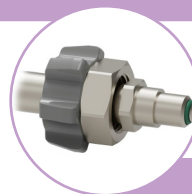
(Consult our staff about other standards)



BS 341-3



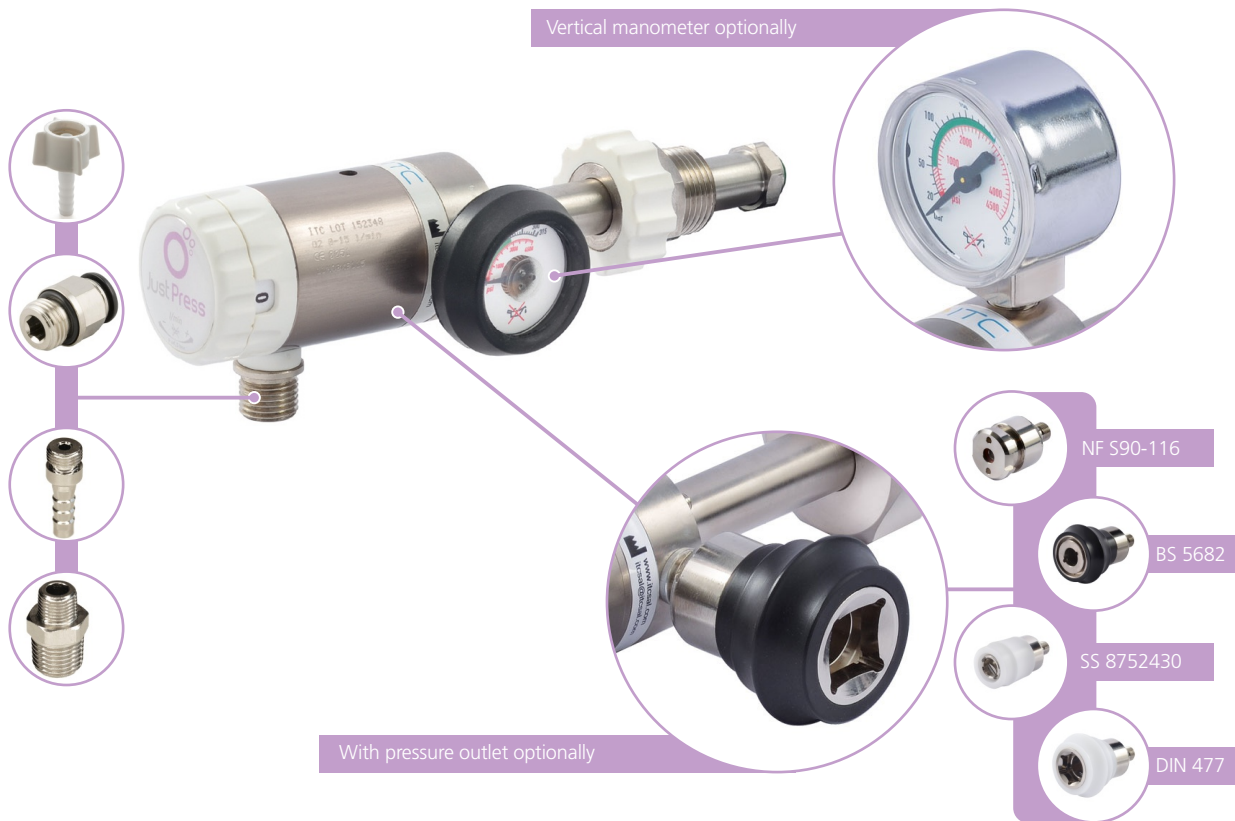
DIN 477-1



NF E29-116

TECHNICAL SPECIFICATIONS

<b>Materials:</b>	Aluminium Alloys, Nickel plated brass, ABS and Stainless Steel.	
<b>Precision:</b>	± 30 % from 0 to 1,5 l/min	± 20 % above 1,5 l/min
<b>Maximum supply pressure:</b>	300 bar	
<b>Available flows*:</b>	0 to 2 lpm      0 - 0,2 - 0,4 - 0,6 - 0,8 - 1 - 1,2 - 1,4 - 1,5 - 1,7 - 1,8 - 2 0 to 4 lpm      0 - 0,2 - 0,4 - 0,6 - 0,8 - 1 - 1,5 - 2 - 2,5 - 3 - 3,5 - 4 0 to 6 lpm      0 - 0,2 - 0,4 - 0,6 - 0,8 - 1 - 1,5 - 2 - 3 - 4 - 5 - 6 0 to 8 lpm      0 - 0,3 - 0,6 - 1 - 1,5 - 2 - 3 - 4 - 5 - 6 - 7 - 8 0 to 15 lpm      0 - 0,5 - 1 - 2 - 3 - 4 - 5 - 6 - 8 - 10 - 12 - 15 0 to 30 lpm      0 - 1 - 2 - 4 - 6 - 8 - 10 - 12 - 15 - 20 - 25 - 30 0 to 50 lpm      0 - 3 - 6 - 10 - 15 - 20 - 25 - 30 - 35 - 40 - 45 - 50	
<b>Inlet connections:</b>	ITC EP-6, BS-341, DIN 477, ISO 5145, CGA V-1, NF E29-650, etc...	
<b>Outlet connetions:</b>	DISS 9/16", nozzle for flexible hose, M12x125, G3/8, G1/4, automatic racord	
<b>Available gases:</b>	O2, Medical Air, O2/He (Mix), CO2, N2	
<b>Point of design:</b>	4,5 ± 0,5 bar	
<b>Calibration:</b>	101,3 kPa y 23 °C	
<b>Dimensions:</b>	Ø40,0 x 135 mm	190 x 160 x 90 mm (W x D x H)
<b>Weight:</b>	560 grs	
<b>Standards:</b>	In compliance with Directive 93/42/EEC In compliance with UNE-EN ISO 10524 In compliance with UNE-EN ISO 15002	
<b>Classification:</b>	Class IIb	



## N<sub>2</sub>/NO gas regulator with dial flowmeter

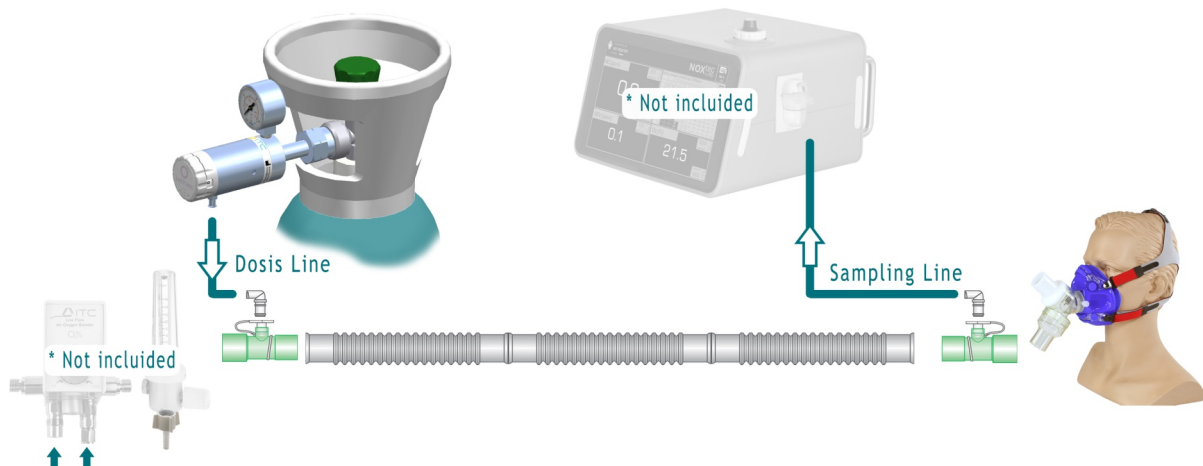


**Just Press P** gas regulators are specially designed for its use in hospital or ambulances **N<sub>2</sub>/NO** therapy services.

- They must be used in combination of a main flow source and a monitor to measure the final concentration of NO supplied to the patient and the possible generation of NO<sub>2</sub> (*consult our NOXtec line*).
- Turning the control button the operator can select the flow that will be supplied by its inferior connection. This selection appears in the front display. Model available with twelve positions: 0 - 0.07 - 0.10 - 0.15 - 0.20 - 0.25 - 0.30 - 0.40 - 0.50 - 0.60 - 0.85 - 1.10 l/min.
- It incorporates a manometer to read the pressure of the cylinder.
- Includes table of dose.

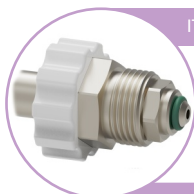
Manual Mode [450 ppm cylinder]												
manual dose												
manual	vent f	expected dose [ppm] vs resp. Flow & manual position										
L/min	1	2	3	4	5	8	10	12	15	20	25	50
0.07	29	15	10	8	6	4	3	3	2	2	1	1
0.10	41	21	15	11	9	6	4	4	3	2	2	1
0.15	59	31	21	16	13	8	7	6	4	3	3	1
0.20	75	41	28	21	17	11	9	7	6	4	4	2
0.25	90	50	35	26	21	14	11	9	7	6	4	2
0.30		59	41	31	25	16	13	11	9	7	5	3
0.40		75	53	41	33	21	17	15	12	9	7	4
0.50		90	64	50	41	26	21	18	15	11	9	4
0.60			75	59	48	31	25	21	17	13	11	5
0.85			99	79	65	43	35	30	24	18	15	8
1.10				97	81	54	45	38	31	23	19	10

Manual Mode [800 ppm cylinder]												
manual dose												
manual	vent f	expected dose [ppm] vs resp. Flow & manual position										
L/min	1	2	3	4	5	8	10	12	15	20	25	50
0.07	52	27	18	14	11	7	6	5	4	3	2	1
0.10	73	38	26	20	16	10	8	7	5	4	3	2
0.15		56	38	29	23	15	12	10	8	6	5	2
0.20		73	50	38	31	20	16	13	11	8	6	3
0.25		89	62	47	38	24	20	16	13	10	8	4
0.30			73	56	45	29	23	20	16	12	9	5
0.40				94	73	59	38	31	26	21	16	13
0.50					89	73	47	38	32	26	20	16
0.60						86	56	45	38	31	23	19
0.85							77	63	53	43	33	26
1.10								79	67	55	42	34

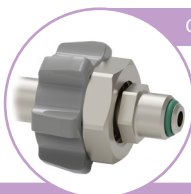


## TECHNICAL SPECIFICATIONS

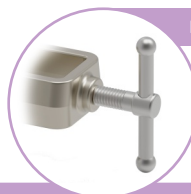
<b>Materials:</b>	Stainless Steel AISI 316L and FKM
<b>Precision:</b>	± 30 %
<b>Maximum supply pressure:</b>	200 bar.
<b>Available flows:</b>	0 - 0.07 - 0.10 - 0.15 - 0.20 - 0.25 - 0.30 - 0.40 - 0.50 - 0.60 - 0.85 - 1.10 l/min Consult our staff about other ranges.
<b>Inlet connections:</b>	ITC EP-6, BS-341, DIN 477, ISO 5145, CGA V-1, NF E29-650, etc...
<b>Outlet connection:</b>	Luer-lock female.
<b>Point of design:</b>	4.5 bar ± 0.5 bar.
<b>Calibration:</b>	101.3 kPa and 23 °C.
<b>Dimensions:</b>	Ø40 x 135 mm
<b>Weight:</b>	690 grs.
<b>Standards:</b>	In compliance with Directive 93/42/EEC In compliance with UNE-EN ISO 10524 In compliance with UNE-EN ISO 15002
<b>Classification:</b>	Class IIb



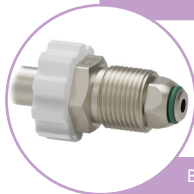
ITC EP-6



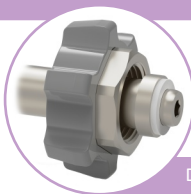
CGA V-1



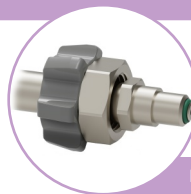
Pin-Index



BS 341-3



DIN 477-1



NF E29-116

### INLET CONNECTION STANDARDS

*(Consult our staff about other standards)*

## Regulator for REANIVAC I and REANIVAC II



The **Just Press P** for **REANIVAC** is a compact oxygen regulator that incorporates a dial flowmeter. It can be connected to all of the officially approved cylinder sizes and it integrates a pressure gauge for pressure measurement.

**REANIVAC II** version incorporates a Venturi-effect vacuum system attached to a collector jar.

TECHNICAL SPECIFICATIONS	
Regulator for REANIVAC I	
<b>Materials:</b>	Aluminium alloys, brass, ABS and stainless steel.
<b>Flow rates:</b>	0 - 0.5 - 1 - 2 - 3 - 4 - 5 - 6 - 8 - 10 - 12 - 15 l/min
<b>Precision:</b>	± 30 % from 0 to 1,5 l/min      ± 20 % above 1,5 l/min
<b>Maximum supply pressure:</b>	200 bar
<b>Low pressure:</b>	4.5 ± 0,8 bar
<b>Dimensions:</b>	Ø40.0 x 135 mm
<b>Weight:</b>	565 grs
<b>Standards:</b>	In compliance with UNE-EN ISO 10524-1 In compliance with UNE-EN ISO 15002
Regulator for REANIVAC II	
<b>Materials:</b>	Alluminium alloys, brass, ABS, stainless steel, PC, PA and NBR.
<b>Flow rates:</b>	0 - 0.5 - 1 - 2 - 3 - 4 - 5 - 6 - 8 - 10 - 12 - 15 l/min
<b>Precision:</b>	± 30 % from 0 to 1,5 l/min      ± 20 % above 1.5 l/min
<b>Maximum supply pressure:</b>	200 bar
<b>Low pressure:</b>	4.5 ± 0,8 bar Venturi-effect vacuum (400 mmHg) with a 300 cc autoclave-sterilizable collector jar and suction hose
<b>Dimensions:</b>	Regulator: Ø40.0 x 135 mm      Suction: 200.0 x 145.0 x 80.0 mm
<b>Weight:</b>	950 grs
<b>Standards:</b>	In compliance with UNE-EN ISO 10524-1 In compliance with UNE-EN ISO 15002





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