

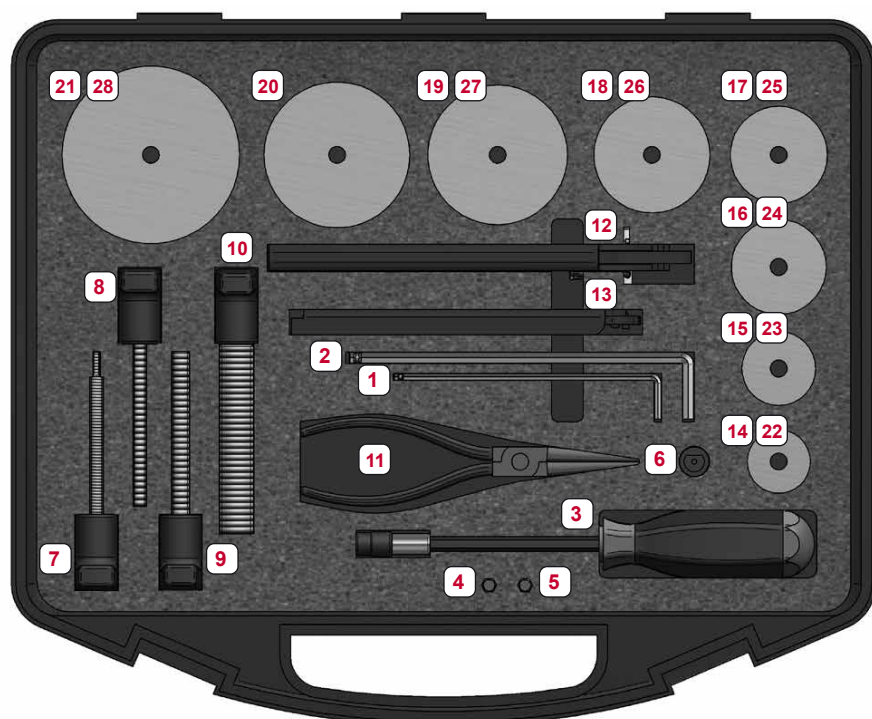


Nitrocut

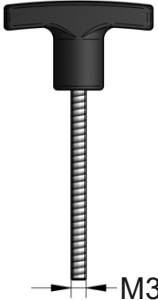
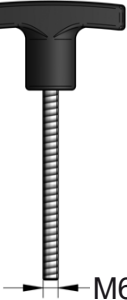
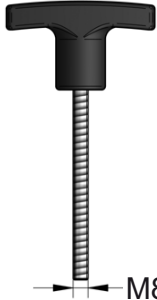
AZOL
GAS



Maleta de Manutenção

SERVICE EQUIPMENT*Hosed Systems***AZOL**
GAS **MR**

- | | |
|---------------------------------------|------------------------------|
| 1 DALL 3 (Tool Allen 3) | 16 PU 25 (Tool Ø 25) |
| 2 DALL 5 (Tool Allen 5) | 17 PU 28 (Tool Ø 28) |
| 3 DMNL (Tool) | 18 PU 36 (Tool Ø 36) |
| 4 ABXP (Adapter DIN 7757) | 19 PU 45 (Tool Ø 45) |
| 5 XTCP (Adapter XTC M6) | 20 PU 50 (Tool Ø 50) |
| 6 A 550 1/8-M6 (Draining Tool) | 21 PU 60 (Tool Ø 60) |
| 7 LM 3 (Tool M3) | 22 VTL 16 (Tool Ø 16) |
| 8 LM 6 (Tool M6) | 23 VTL 20 (Tool Ø 20) |
| 9 LM 8 (Tool M8) | 24 VTL 25 (Tool Ø 25) |
| 10 LM 16 (Tool M16) | 25 VTL 28 (Tool Ø 28) |
| 11 A 800 (Tool) | 26 VTL 36 (Tool Ø 36) |
| 12 LRP 1 (Tool) | 27 VTL 45 (Tool Ø 45) |
| 13 LRP 2 (Tool) | 28 VTL 60 (Tool Ø 60) |
| 14 PU 16 (Tool Ø 12-16) | |
| 15 PU 22 (Tool Ø 20-22) | |

1 	2 	3 	4 	5 
6 	7 	8 	9 	10 
11 	12 	13 	14 	15 
16 	17 	18 	19 	20 
21 	22 	23 	24 	25 
26 	27 	28 		

SERVICE EQUIPMENT

Hosed Systems

AZOL
GAS **PU 16****Ø 12-16****GAS SPRING SERIES**

ASP 250	KZ 350
ASP 300	CW 350 V1
AG 150	
AG 250	
CD 300 V1	
CM 300	
CM 350 V1	
FD 300	

PU 22**Ø 20-22****GAS SPRING SERIES**

ASP 500 V1	KZ 500
AG 500	CW 500 V1
CD 500 V1	
CM 500 V2	
CM 600 V1	
FD 500	
CK 500	
CT 500	

PU 25**Ø 25****GAS SPRING SERIES**

CD 700	CWC 750 V2
AG 750	
CD 700	
GN 750	
FD 750 V1	
CK 750 V2	
KZ 750 V1	
CW 750 V1	

PU 28**Ø 28****GAS SPRING SERIES**

CD 1000 V1	
CM 1000 V1	
CK 1000 V3	
CT 1000 V1	
KT 1000	
KZ 1000 V1	
CW 1000 V2	
CWC 1000 V2	

PU 36**Ø 36****GAS SPRING SERIES**

AG 1500	KZ 1500 V1
CD 1500 V2	CW 1500 V1
CM 1500 V2	CWC 1500
GN 1500	
FD 1500 V2	
CK 1500 V2	
CT 1500 V1	
KT 1500	

PU 45**Ø 45****GAS SPRING SERIES**

CD 2400	
CM 2500 V1	
CK 2500 V1	
KT 2400	
KZ 2400	
CW 2400 V1	
CWC 2400 V2	

PU 50**Ø 50****GAS SPRING SERIES**

AG 3000	
GN 3000	
FD 3000	
CT 3000	
CTN 2500	
CTN 3000	

PU 60**Ø 60****GAS SPRING SERIES**

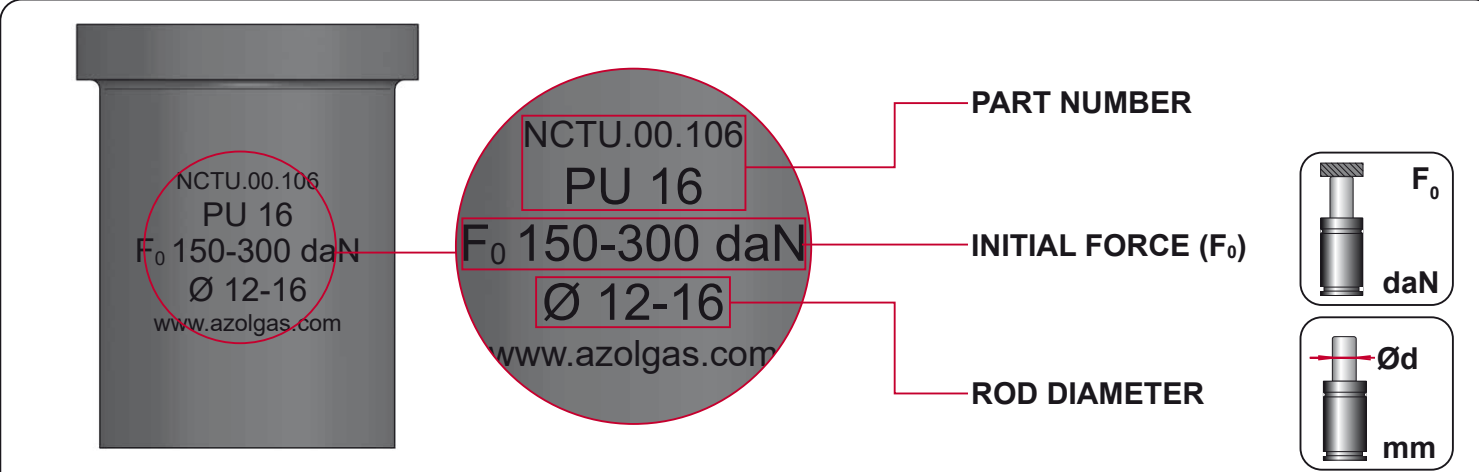
CD 4200	
CM 4000 V1	
CK 4000 V1	
KT 4200	
KZ 4200	
CW 4200 V1	

PU 75**Ø 65-75****GAS SPRING SERIES**

AG 5000	CW 6600
CD 6600	
CM 6500 V1	
GN 5000	
FD 5000 V1	
CT 5000	
KT 6600	
KZ 6600	

PU 95**Ø 80-95****GAS SPRING SERIES**

AG 7500	
AG 10000	
CD 9600	
CM 10000	
GN 7500	
CW 9500	
KT 9500	



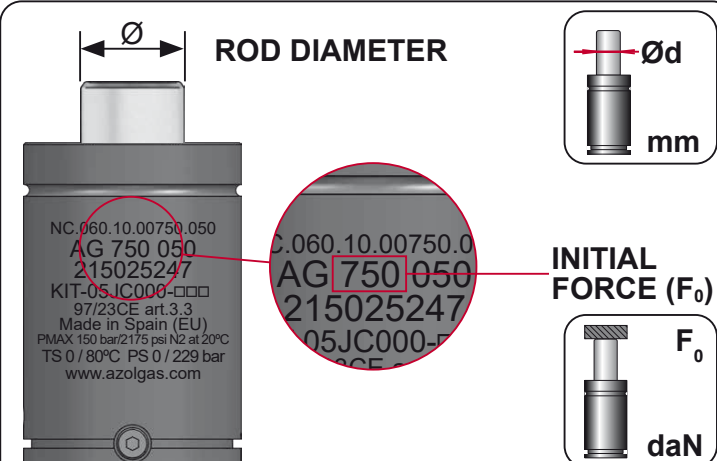
PART NUMBER

INITIAL FORCE (F_0)

ROD DIAMETER

Example of how are marked the tools PU

- Part number
- Initial Force
- Piston rod diameter

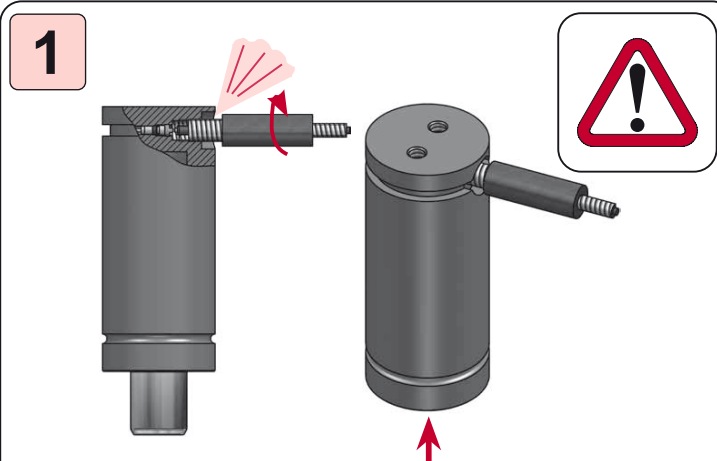


ROD DIAMETER

INITIAL FORCE (F_0)

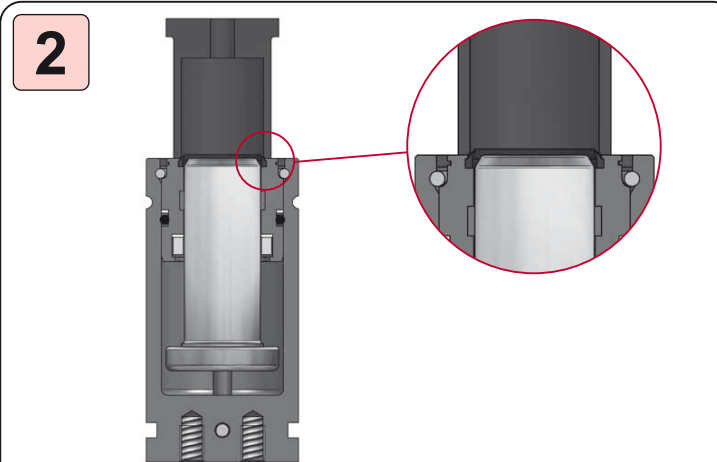
Make the right choice of the PU tool for each gas spring series, according to:

- Piston rod diameter
- Initial Force



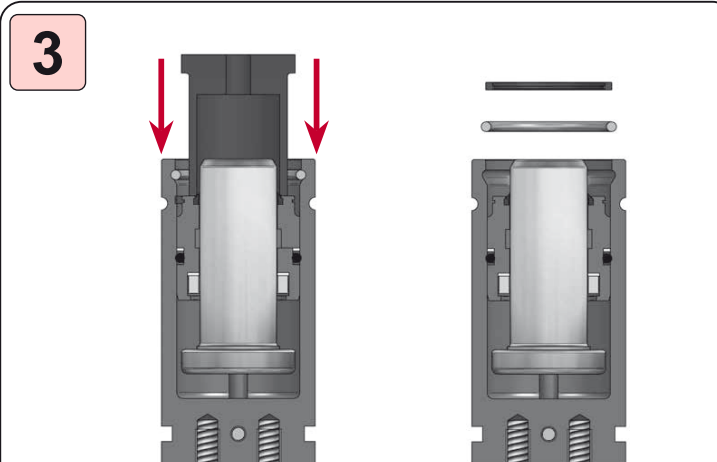
1

Before disassembly, make sure that the gas spring is fully drained, with the piston rod totally inserted.



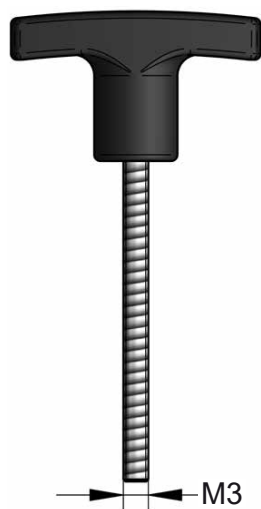
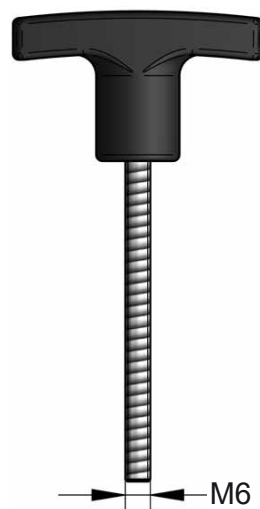
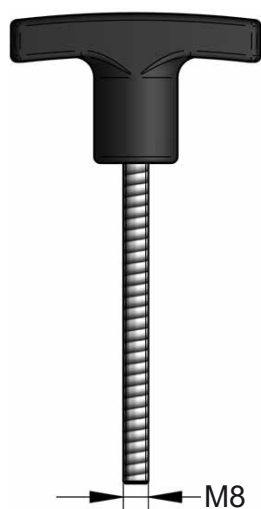
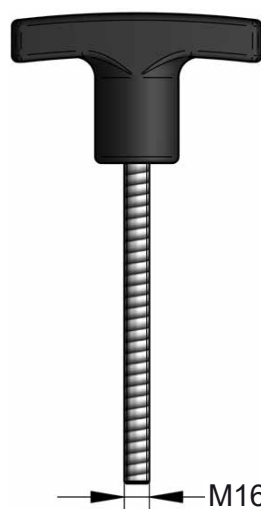
2

Set the corresponding PU tool on the top cartridge carefully to avoid any damage on the wiper.

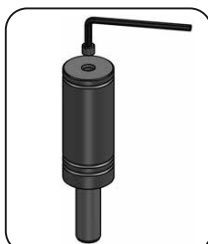
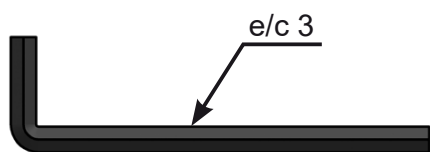


3

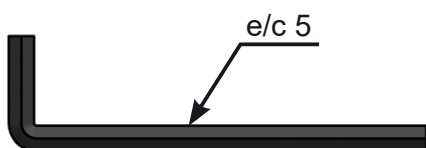
Push down the PU tool till the cartridge is down enough to let remove the locking ring.

SERVICE EQUIPMENT*Hosed Systems***AZOL
GAS** **LM 3****LM 6****LM 8****LM 16**

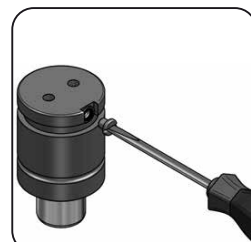
DALL 3



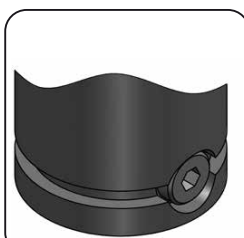
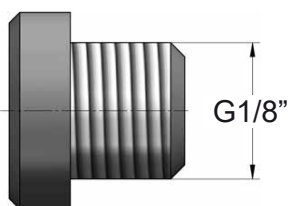
DALL 5



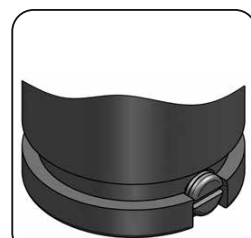
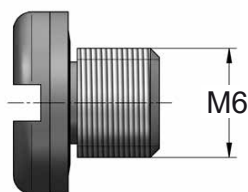
DPA 5



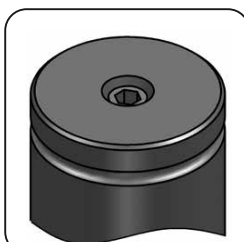
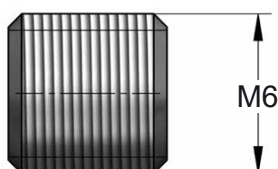
T 1/8



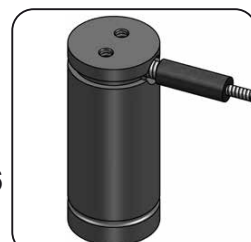
T M6



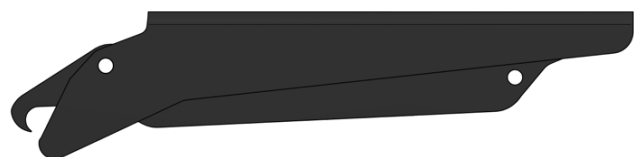
TR M6



A 550 1/8-M6

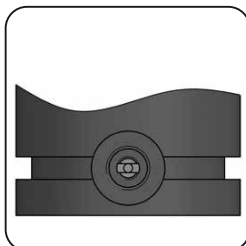
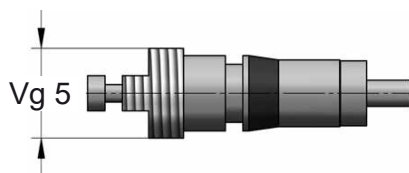
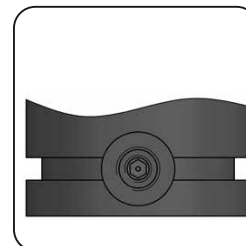
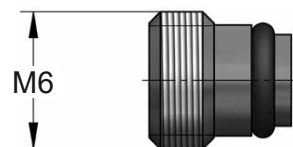
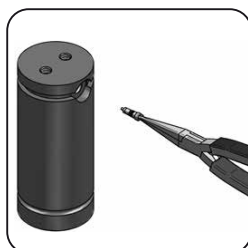


LRP 1



LRP 2

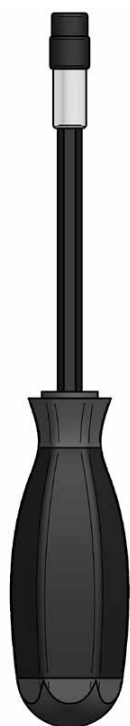
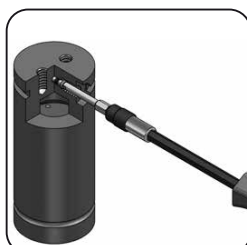
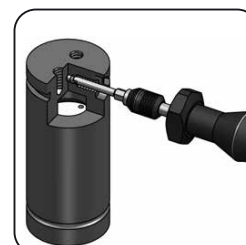


SERVICE EQUIPMENT*Hosed Systems***AZOL
GAS** **DIN 7757****XTC-M6****A 800**

The tool A 800 is only intended to be used to remove the filling valve DIN 7757.

ALXTC

WARNING: ALXTC is only intended to be used to remove the valve XTC-M6 when it is damaged and it cannot be removed with the tool DMNL (XTCP).

DMNL**ABXP****XTCP****DDNM****ABXP****XTCP**

REGULADOR DE PRESSÃO

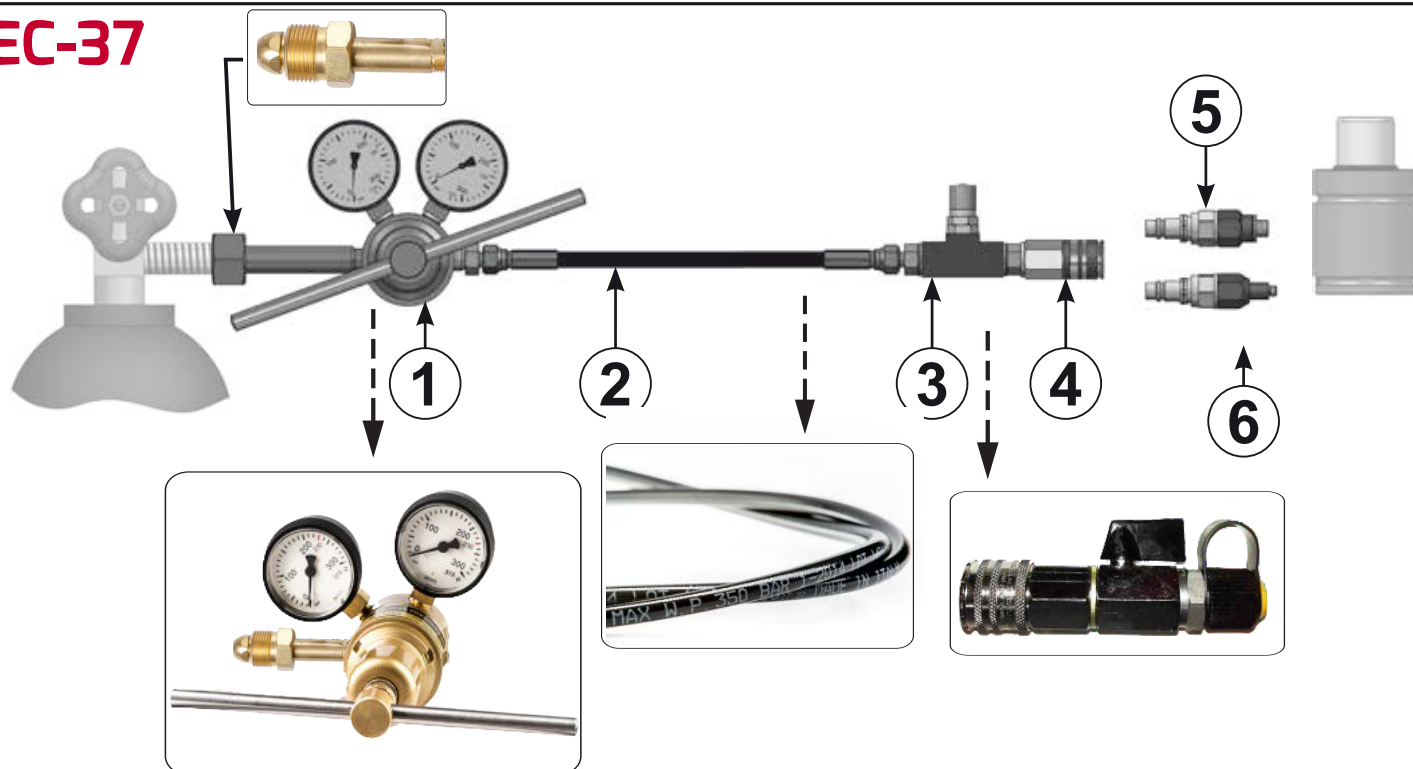


2025

Nitrocut



REGULADOR DE PRESSÃO

Nitrocut
EC-37

AZOL
GAS

REGULADOR DE PRESSÃO

O equipamento de carga EC37 permite:

- Verificar a pressão da garrafa de nitrogênio.
- Carregar todos cilindros de gás de maneira autônoma ou interligados.

EC37 vem equipado com;

- 1-Regulador de Pressão **LTH600**
- 2-Mangueira **SGS5000**
- 3-Terminal **EC VP**
- 4-Engate Rápido **QCF 1/4 + RPE**
- 5-Adaptador de carga **18 CG 1-Q (G1/8)**
- 6-Adaptador de carga **06 CG 2-Q (M6)**

- Conexão de Entrada

Porca Rosca Direita Externa 0,960" -14NGO (ABNT 245-1)

- Conexão de Saída:

- Niple com conexão tipo União para Porca Rosca Direita 9/16"UNF-18

- Pressão Máxima de Entrada: 220 kgf/cm²

Pressão Máxima de Saida: 200 kgf/cm²

- Escala 4500 psi x 315 kgf/cm²

- Fluido presurizado / Pressure medium..... N2 Nitrogênio

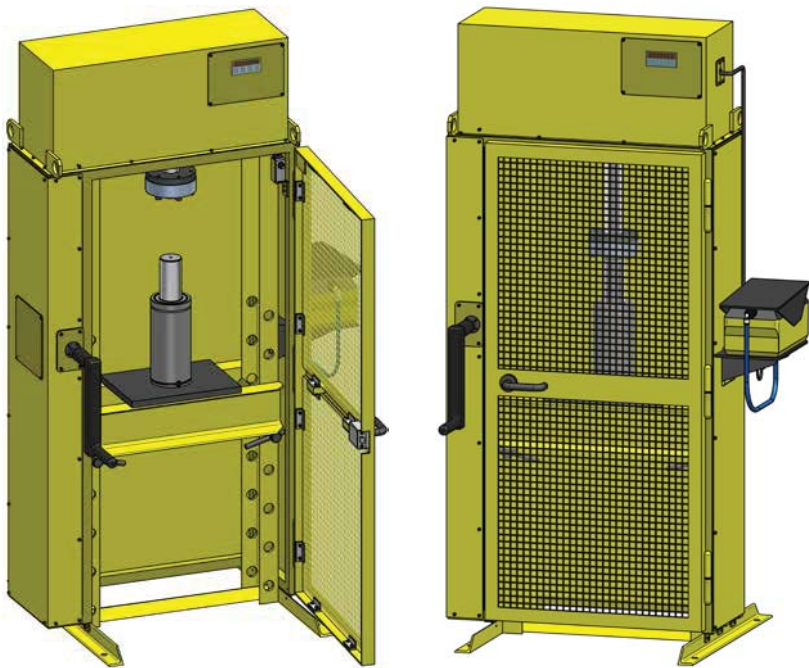
- Máx. pressão de carga / Max. charging pressure.....200 bar

- Faixa de medição / Pressure range.....0 - 315 bar

- Temperatura de trabalho / Operating temperature.....0°- 100°C

Datasheet

BANCADA DE TESTE

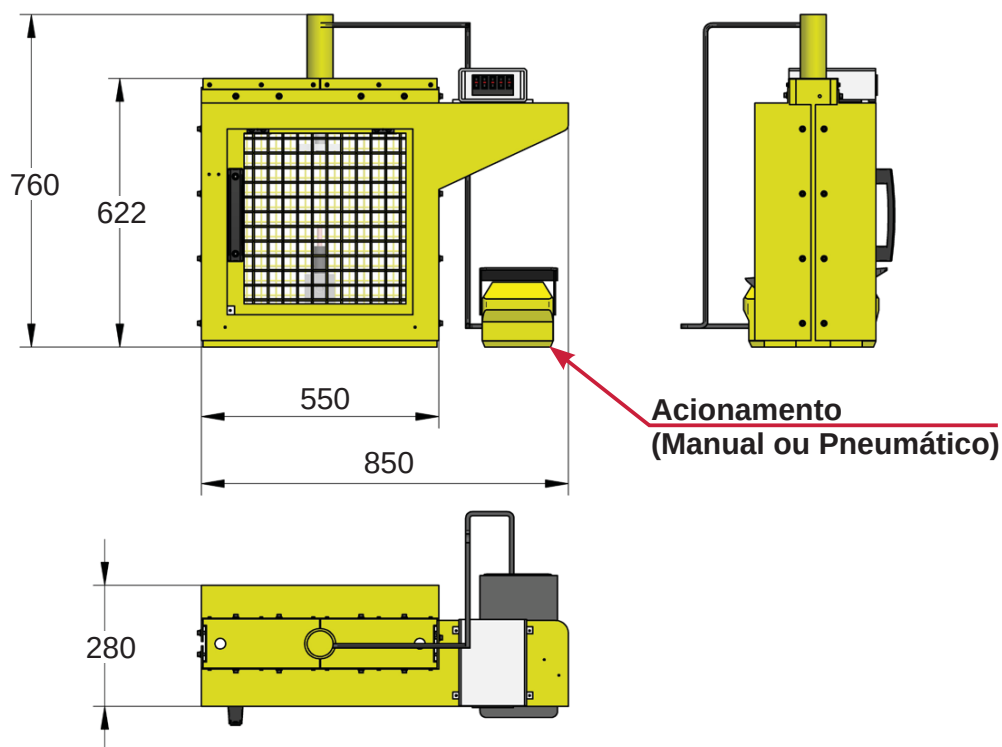


2025

Nitrocut



BDP 5 BANCADA DE TESTE ATÉ 5000 Kg



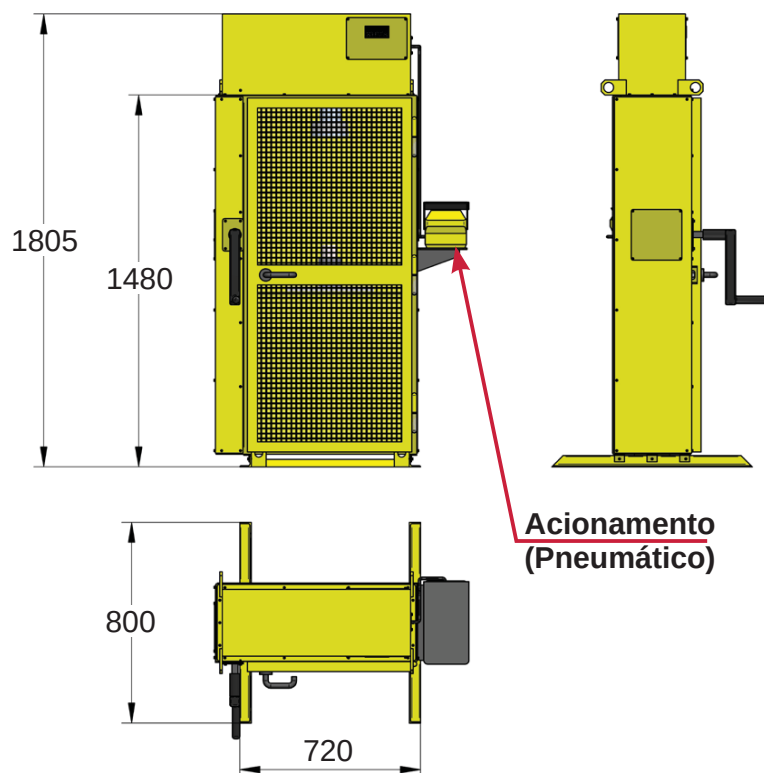
EQUIPAMENTO:

- Célula de carga digital de 0 a 5 toneladas (Tol $\pm 3\text{Kg}$).
- Bomba hidráulica (Pneumática ou Manual).
- Sistema de proteção.
- Cilindro hidráulico até 150mm.

EXEMPLO DE PEDIDO

Bancada de teste força 5000 kg. com proteção e acionamento pneumático	BDP 5 N
Bancada de teste força 5000 kg. com proteção e acionamento manual	BDP 5 M

BDP 10 N BANCADA DE TESTE ATÉ 10000 Kg

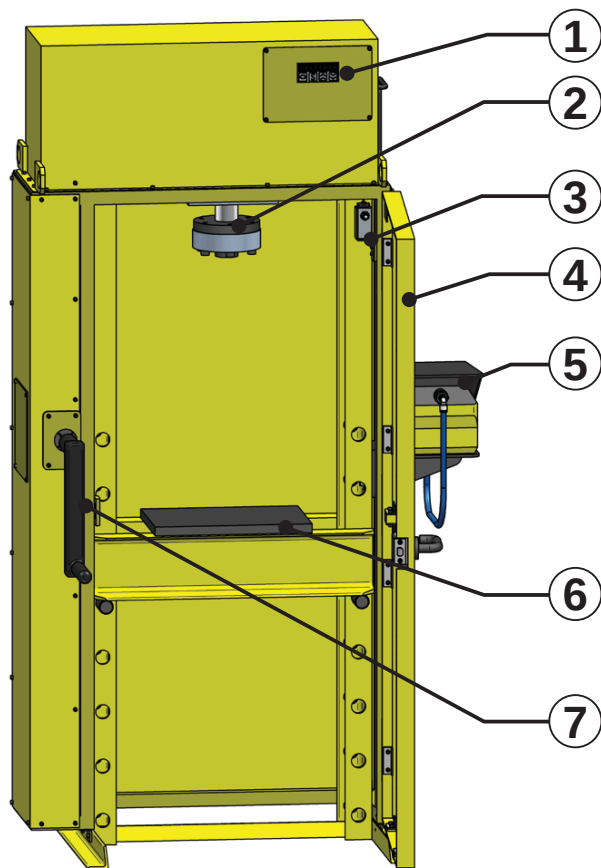


EQUIPAMENTO:

- Célula de carga digital de 0 a 10 toneladas (Tol $\pm 3\text{Kg}$).
- Bomba hidráulica (Pneumática)
- Sistema de proteção.
- Cilindro hidráulico acima de 250mm.

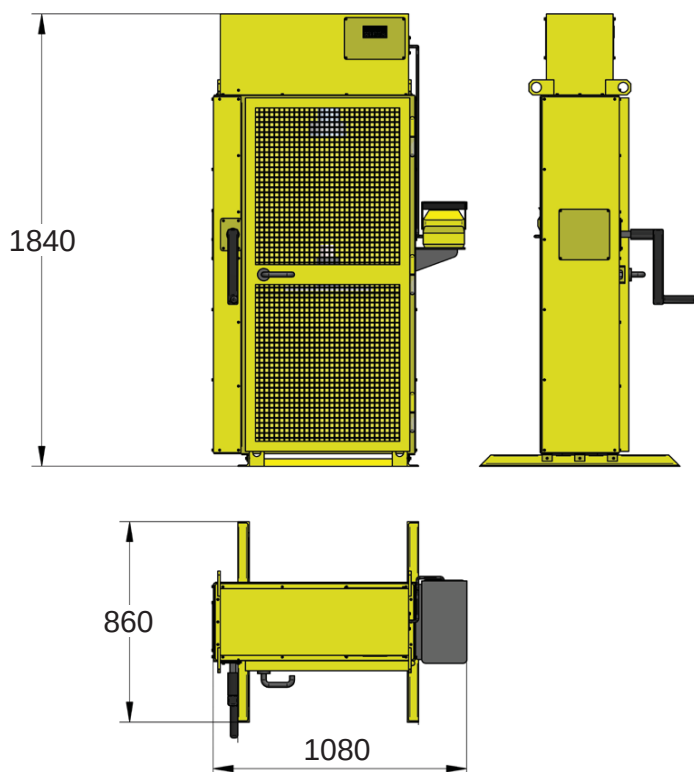
EXEMPLO DE PEDIDO

Bancada de teste até 10.000 kg. com proteção e acionamento pneumático	BDP 10 N
---	----------

COMPONENTES DA BANCADA

A bancada de teste BDP é utilizada para verificar a força inicial (F_0) de todos os cilindros da AZOLGAS.

- 1. - Visor Digital
- 2. - Célula de medição
- 3. - Sensor de segurança
- 4. - Porta de proteção
- 5. - Pedal pneumático
- 6. - Mesa de apoio
- 7. - Ajuste de altura

DADOS TÉCNICOS**BDP 10N**

- Dimensões: **1080x860x1840 mm**
- Peso: **200 Kg**
- Força máxima: **10000 daN**
- Tolerância de medição: **±3 daN**
- Conexão elétrica: **AC 230 V - 50 Hz**
- Conexão pneumática: **6 bar**



BANCADA DE TESTE

INSTRUÇÕES DE SEGURANÇA



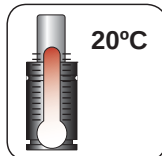
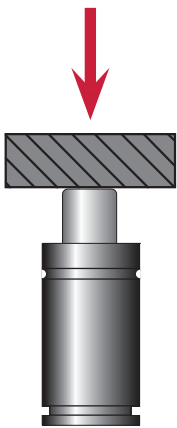
ÓCULOS DE PROTEÇÃO

BOTAS DE SEGURANÇA



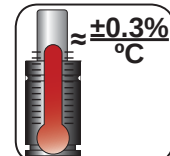
-Use óculos de segurança

-Use bota de segurança



Variações de temperatura afetam a pressão/força do cilindro.

A força do cilindro deve ser testada na temperatura de 20°C.



20°C

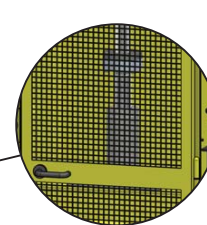
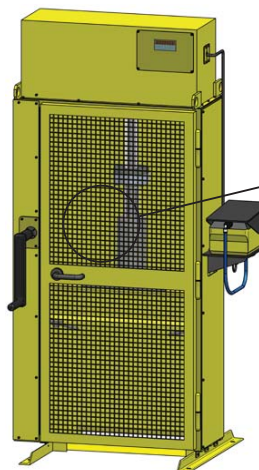
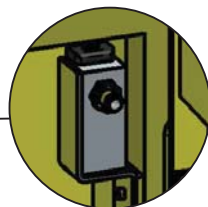
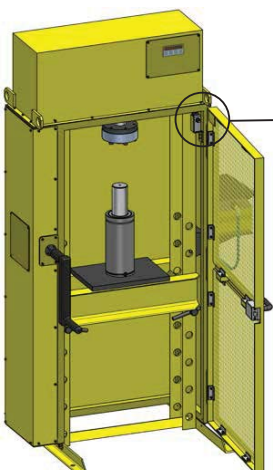
150 bar



40°C

160 bar

Quando em funcionamento, os cilindros podem esquentar e a pressão cresce conforme a temperatura aumenta (aprox. 0,33% a cada 1°C).



A unidade de teste é equipada com 2 sistemas de segurança:

- Porta de segurança (com tela protetora)
- Dispositivo pneumático de parada, evitando o funcionamento com a porta aberta.

CONTROLADOR DE PRESSÃO



2025

Nitrocut

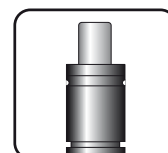


CONTROLADOR DE PRESSÃO

Nitrocut

A400C

TECHNICAL DATA	
Fluido	N ₂
Max pressão	210 bar
Medidor	0 - 400 bar
Temperatura de trabalho	0° - 100°C

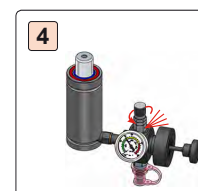
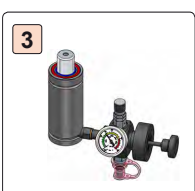
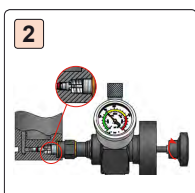

AZOL
GAS


O equipamento A400C permite:

- Verificar a pressão de um cilindro a gás.
- Carregar e descarregar todos cilindros de gás autônomos.
- Calibrar a pressão (para cima / para baixo) de um cilindro a gás independente (autômomo).

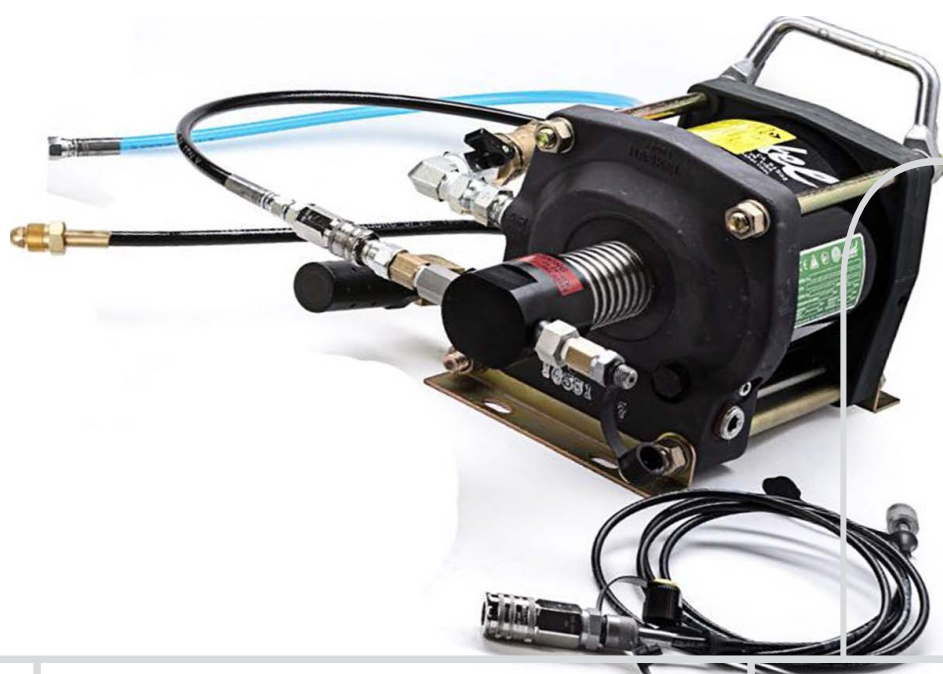
A400C vem equipado com;

- 1-Controlador de Pressão
- 2-Adaptador de carga **18 GA5 (G1/8)**
- 3-Adaptador de carga **06 GA 11 (M6)**



BOOSTER

Aproveitamento Nitrogênio



2025

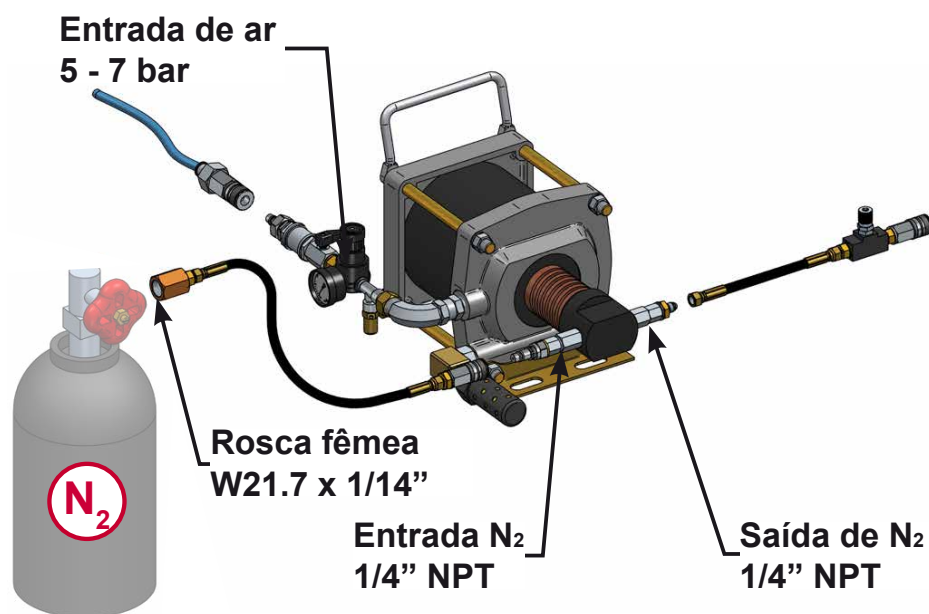
Nitrocut



CARREGADOR DE NITROGÊNIO

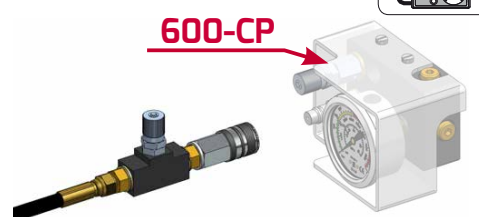
AZOL
GAS

DBNA

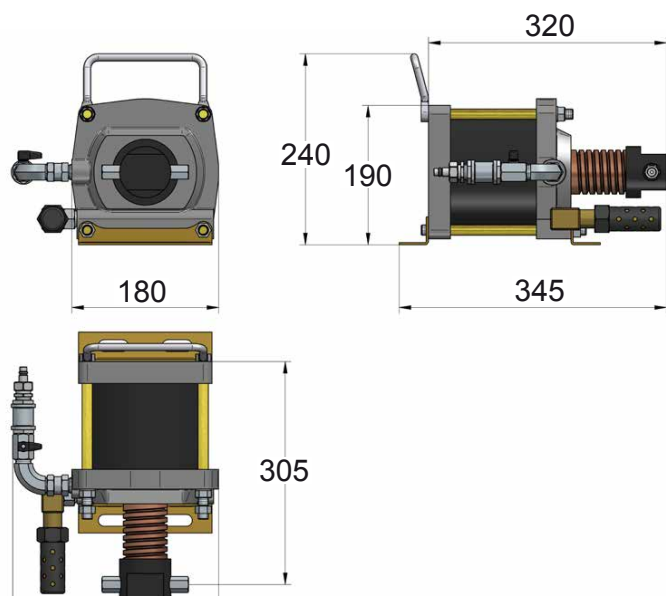
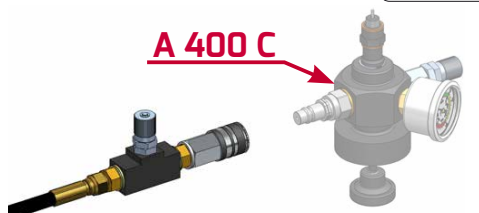


OPÇÕES

1 - Interligado



2 - Autônomo



VANTAGENS



- Máxima segurança.



- Fácil utilização.



- Redução de custos.



- Aumento da produtividade.

UNIDADE MULTIPLICADORA

O carregador de nitrogênio DBNA permite carregar cilindros e placas interligadas a partir da garrafa de N₂. O carregador é a solução à baixa pressão da garrafa de nitrogênio, desde que se tenha o mínimo de 20 bar (quando a pressão da garrafa é inferior a pressão requerida para o cilindro ou sistema interligado).

DADOS TÉCNICOS

Máx. pressão de saída (N ₂)	200 bar
Pressão pneumática (Ar)	5 - 7 bar
Relação de compressão (N ₂ /Ar)	30:1
Fluido	2.8 l/min
Peso	12 Kg