

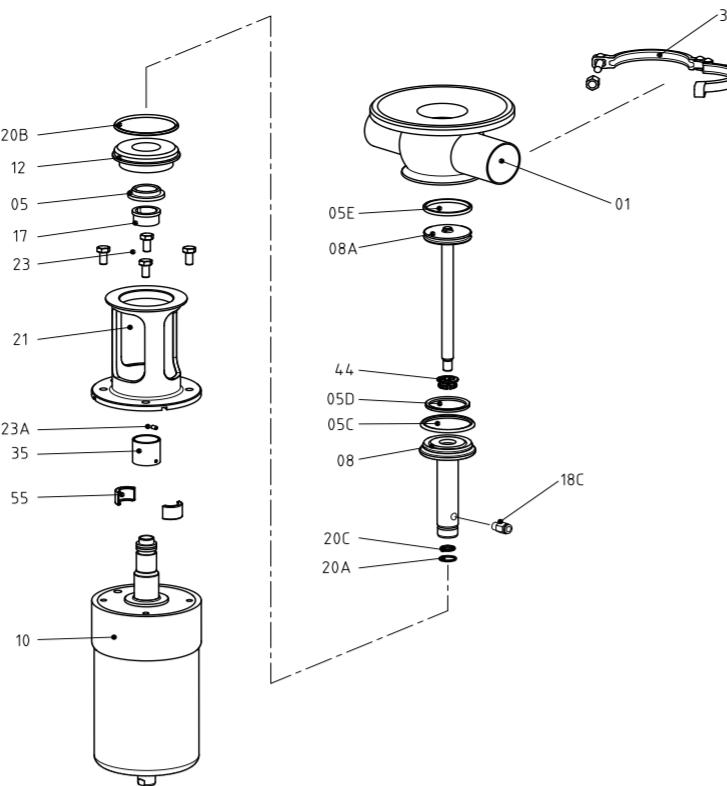
INNOVA



VÁLVULA MIXPROOF DE FONDO DE TANQUE

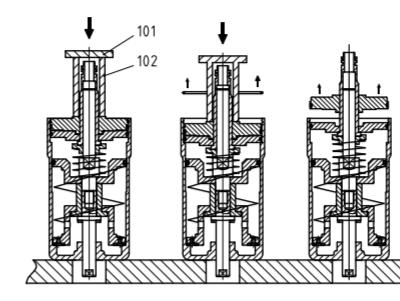


3. VISTA EXPLOSIONADA INNOVA T



5. DESMONTAJE Y MONTAJE DEL ACTUADOR

- Desmontaje:**
- Extrair los raciones de aire (18,18A).
 - Situar el actuador en la base de la prensa o en la pinza del torno. Se debe utilizar un tubo grueso (44) y una placa (20B) en el conjunto muelle (06).
 - Aplicar fuerza sobre la placa. Una vez la tapa (12) ha bajado 15-20mm, sacar el anillo de retención (45), éste debe tener suficiente espacio libre para poder desmontarlo.
 - Disminuir la fuerza sobre la placa lentamente hasta que la tapa superior quede libre (se nota que el muelle ya no ejerce presión).
 - Extrair la tapa (12), el pistón (30A) y la camisa (35).
 - De la tapa (12) sacar las juntas (20C,20F), el raspador (60C) y la guía (11D).
 - Del pistón (30A) sacar las juntas (20C,20F).
 - De la camisa eje (35) sacar la guía (11C) y la junta (20).
 - Extraer base muelle (43B) y muelle (06A).
 - Extraer conjunto muelle (06) sin desmontarlo.
 - Desmontar el raspador (60), junta (20) y la guía (11B) del cuerpo actuador (01).



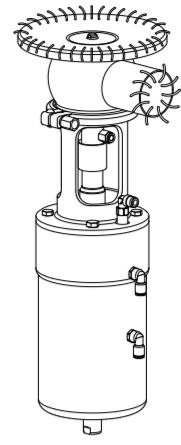
8. INSTALACIÓN GENERAL

Colocar la válvula de manera que facilite las inspecciones y las revisiones. Dejar suficiente espacio alrededor de la válvula para su adecuada revisión, desmontaje y mantenimiento.
Una vez definido el emplazamiento de la válvula, ésta se puede unir a la tubería soldando el cuerpo de la válvula o mediante accesorios (raciones). Antes de soldar el cuerpo de la válvula a la tubería, desmontar la válvula para prevenir dañar las juntas siguiendo las instrucciones.

- Evitar tensiones excesivas al montar la válvula y prestar especial atención en:
 - las vibraciones que se puedan producir en la instalación.
 - las dilataciones térmicas que pueden sufrir las tuberías al circular fluidos calientes.
 - el peso que las tuberías puedan soportar.
 - excesiva intensidad de soldadura.

Antes de utilizar la válvula hacer las siguientes comprobaciones:

- las abrazaderas y las tuercas están bien apretadas.
- abrir y cerrar la válvula varias veces aplicando aire comprimido al actuador para asegurar que funciona correctamente y que la junta del eje se acopla suavemente al cuerpo de la válvula.



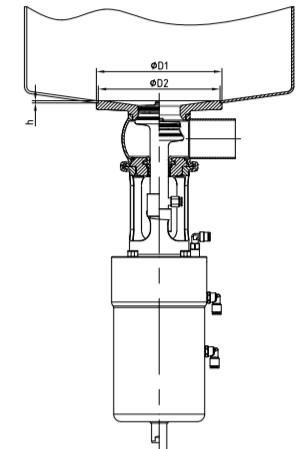
10.252.32.0003

9. SOLDADURA

Para realizar los trabajos de soldadura:

- desmontar la válvula.
- soldar el cuerpo de la válvula a las tuberías manteniendo las distancias indicadas en la tabla siguiente:

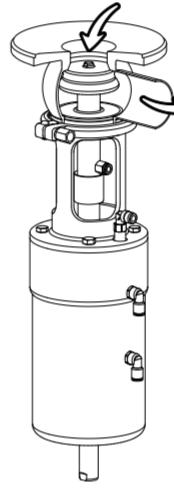
Tamaño válvula	D1 (mm)	D2 (mm)	h (mm)
DN 40 / OD 1 1/4"	155	150	3
DN 50 / OD 2"	165	160	3
DN 65 / OD 2 1/2"	215	210	3
DN 80 / OD 3"	215	210	3
DN 100 / OD 4"	255	250	3



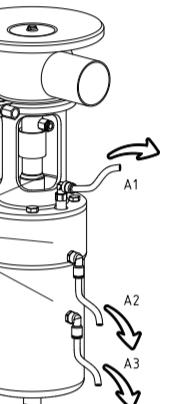
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10. CONEXIÓN DEL AIRE AL ACTUADOR

- Conectar e comprobar las conexiones de aire comprimido.
- Las válvulas INOXPA se suministran con conexiones para tubo de diámetro 6 y con silenciador en actuadores S/E.
- Tener en cuenta la calidad del aire comprimido.
- Dependiendo de la configuración, el actuador puede tener una o dos conexiones de aire.



Conexiones neumáticas rosca G 1/8



10.252.32.0005

11. PUESTA EN MARCHA

Antes de poner la válvula/actuador en marcha:

- verificar que la tubería y la válvula están completamente limpias de posibles restos de soldadura u otras partículas extrañas. Proceder a la limpieza del sistema si es necesario,
- comprobar que la válvula es nueva limpia. Si es necesario, lubricar con grasa especial o agua jabonosa,
- controlar las posibles fugas, verificar que todas las tuberías y sus conexiones sean herméticas y sin fugas,
- si la válvula se ha suministrado con actuador, asegurar que el alineamiento del eje de la válvula con el eje del actuador permite un movimiento suave,
- comprobar la presión de aire comprimido a la entrada del actuador,
- tenir en cuenta la calidad del aire comprimido,
- accionar la válvula.

Manual Original - 10.252.30.02MU - (A) 2022/04

8. GENERAL INSTALLATION

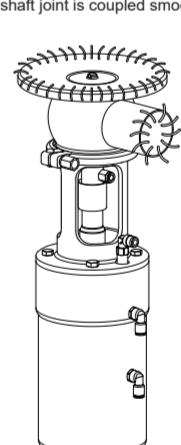
The valve should be installed in a manner that permits it to be cleaned, inspected and self-draining. Allow sufficient spacer around the valve for adequate review, dismantling and maintenance.

After the location of the valve is defined, the pipe can be joined by welding the valve body or using fittings. Before starting to weld the valve bodies to the pipe, disassemble the valve to prevent damage to the joints.

- Avoid using excessive force when assembling the valves and pay special attention to:
 - vibrations that may be produced on the facility.
 - thermal dilation that the pipe may undergo when hot fluids are circulating.
 - the weight that the pipe can support.
 - excessive welding current.

Perform the following checks before using:

- check that the clamps and nuts are tightened.
- open and close the valve, applying compressed air to the actuator several times to make sure it operates correctly and to make sure that the shaft joint is coupled smoothly to the valve body.



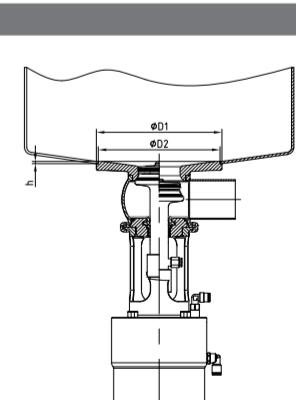
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9. WELDING

To perform welding work:

- Disassemble the valve.
- Weld the valve body to the pipes keeping the distances shown in the next table.

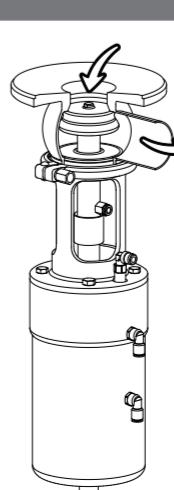
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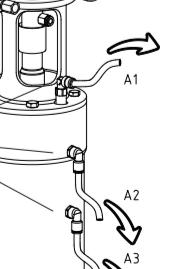
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10. ACTUATOR AIR CONNECTION

- Connect and check the compressed air connections.
- INOXPA valves are supplied with connections for Ø6 pipe, and with a silencer on S/E actuators.
- Consider the quality of the compressed air.
- Depending on the configuration.
- The actuator may have one or two air connections.



G 1/8 thread pneumatic connections



10.252.32.0005

11. START-UP

Before putting the valve or the actuator into service:

- check that the piping and valve are completely free of possible traces of welding slag or other foreign particles. Clean the system if necessary.
- check to make sure the valve moves smoothly. If necessary, lubricate it with special grease or soapy water,
- check for possible leaks, and make sure the pipes and their connections are sealed and do not have any leaks.
- If the valve has been supplied with an actuator, make sure that the alignment of the valve shaft and the actuator shaft, enables smooth movement.
- check that the compressed air pressure at the inlet to the actuator,
- consider the quality of the compressed air,
- activate the valve.

Original instructions - 10.252.30.02MU - (A) 2022/04

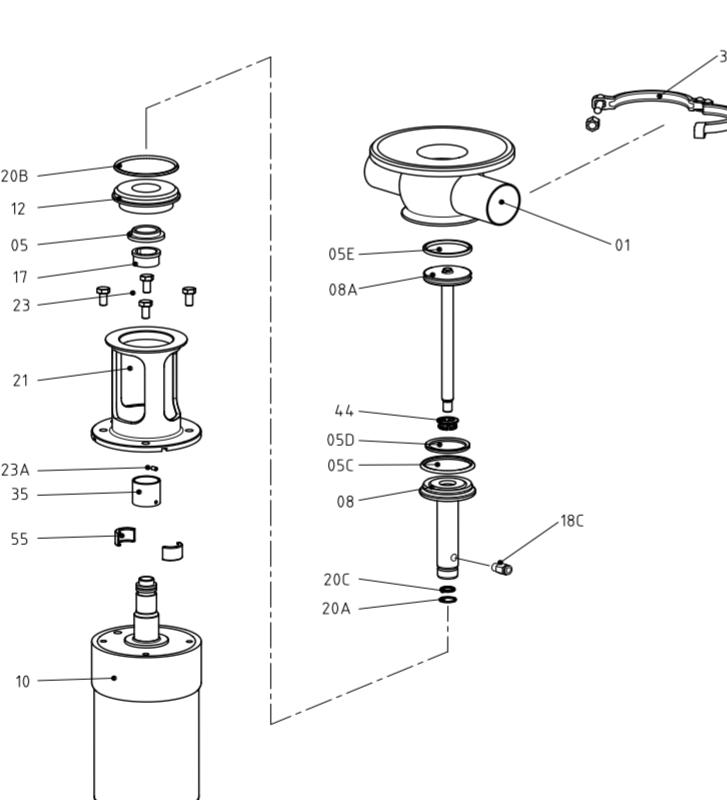
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TANK BOTTOM DOUBLE SEAT VALVE

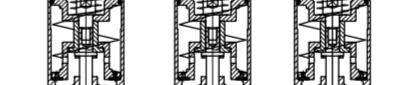


3. EXPLODED DRAWING INNOVA T



5. DISASSEMBLY/ASSEMBLY OF THE ACTUATOR

- Disassembly:**
- Remove the air fittings (18,18A).
 - Locate the actuator in the base of the clamp or on the lathe collet. A thick tube (20) and a shim (101) must be used on the flat end of the actuator.
 - Apply force to the shim. Once the cover (12) has dropped 15-20 mm, remove the snap ring (45); this should have sufficient free space to be able to remove it.
 - Reduce the force on the shim slowly until the top cover is free (you will note that the spring no longer exerts pressure).
 - Remove the cover (12), the piston (30A) and the sleeve (35).
 - Extract the seals (20C,20F) from the piston (30A) and the bushing (11D) from the cover (12).
 - Remove the seals (20C,20F) from the piston (30A).
 - Extract the bushing (11C) and the seal (20E) from the shaft sleeve (35).
 - Extract the base spring (34B) and spring base (34).
 - Extract the base seal (06A).
 - Extract the spring assembly (06) without disassembling it.
 - Extract the seal (20B) from the spring assembly (06).
 - Disassemble the scraper (60), the seal (20) and the bushing (11B) from the actuator body (01).



8. GENERAL INSTALLATION

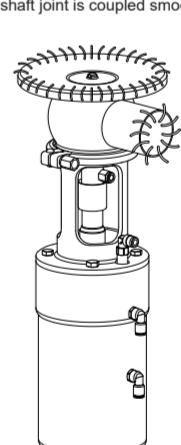
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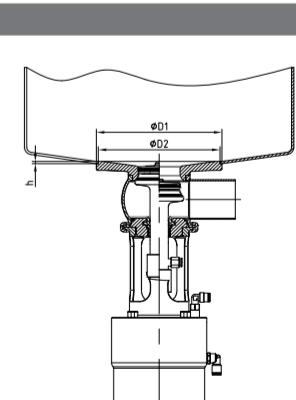
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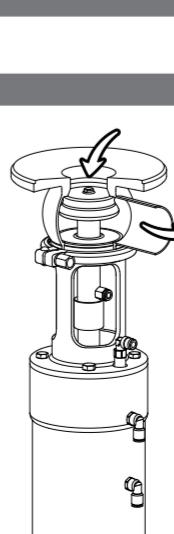
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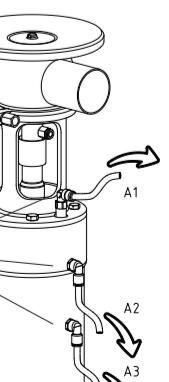
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