



PRESSURE MAINTAINING VALVES TYPE DHV, DRV

Pressure Maintaining and Pressure Maintaining Check Valves series DHV and DRV are mounted between the condenser and the compressed air vessel. These valves maintain a constant pressure at the condenser and help to facilitate water separation from the air.

The higher the pressure at the valve, the better the water-separation.

Their robust construction allows their use under extreme conditions with a very long lifespan.



Ordering Information Pressure Maintaining Valves

- DHV16-35-451263** ND16mm PN 15-60bar
- DHV12-330-451262** ND12mm PN 30-350bar
- DHV05-350-504270** ND 5mm PN 60-350bar
- DHV05-66-504270-02** ND 5mm PN 15-70bar
- DHV05-395-504270-04** ND 5mm PN 300-400bar

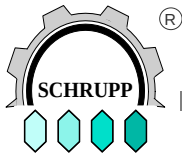
Ordering Information Pressure Maintaining Check Valves

- DRV05-345-450050** ND 5mm PN 60-350bar
- DRV05-69-450050-02** ND 5mm PN 15-70bar

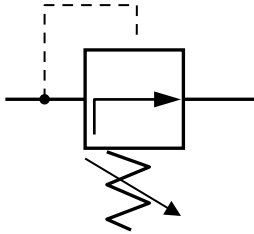
└ Adjusted set pressure with delivery [bar]



Technical Data	DHV 05	DRV 05	DHV 12	DHV 16	
Flow rate with 5bar dp	-	-	750	1500	l/min
with 10bar dp	160	160	2500	5000	l/min
with 15bar dp	-	-	4600	9200	l/min
with 220bar dp	3500	3500	-	-	l/min
Minimum pressure difference	10	10	5	5	bar
Max. operating pressure	350	350	350	60	bar
Pressure range	15-350	15-350	30-350	15-60	bar
Mass	1	1,8	12	12	Kg
Housing material	MS	MS	MS	MS	
Seals	Buna-N	Buna-N	Buna-N	Buna-N	
Tube-connection size	12	12	20	28	mm
Options please find at datasheet DE1.1.3					

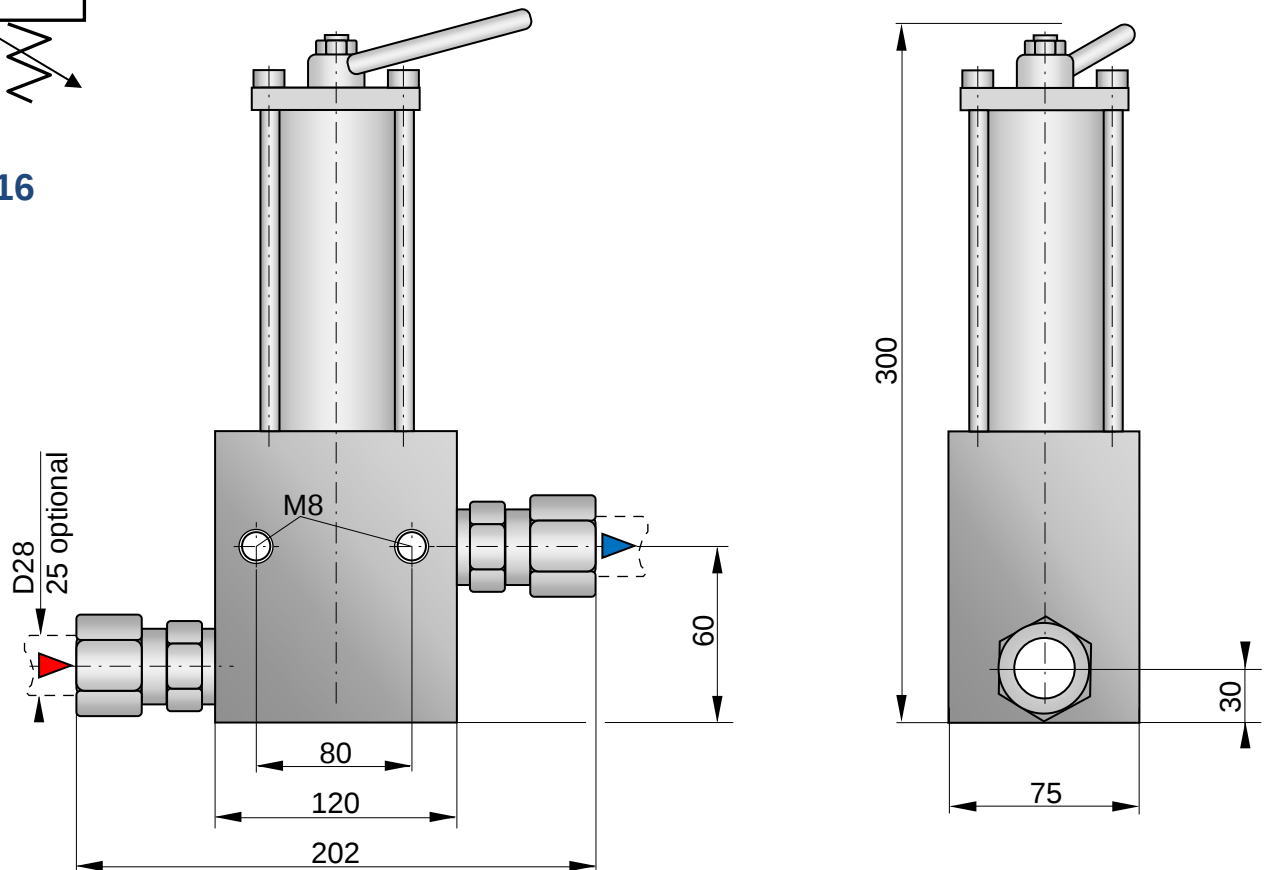


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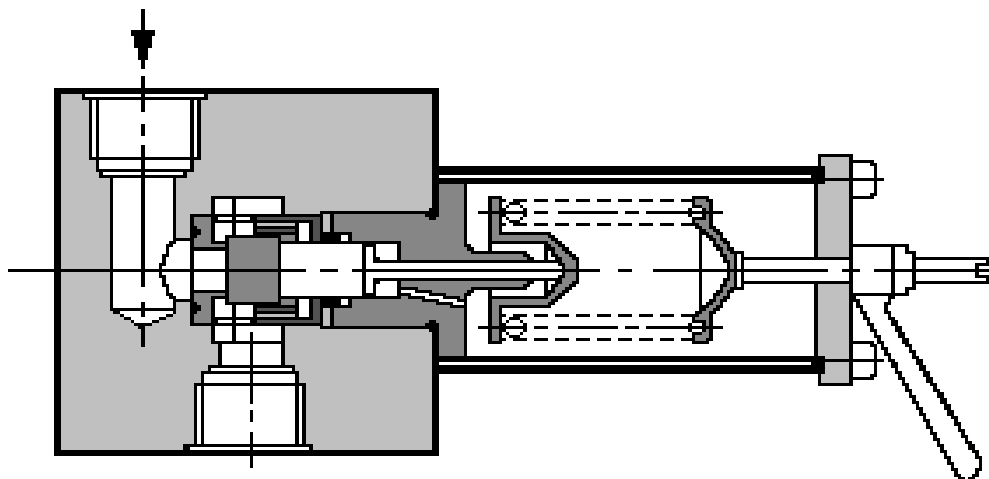


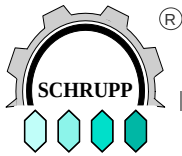
Opening Pressure Adjustment

DHV16

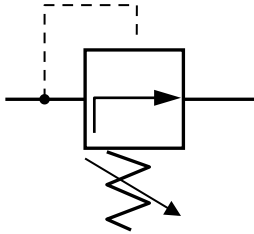


Order no. Seal Kit: DHV16VTS-451263-92



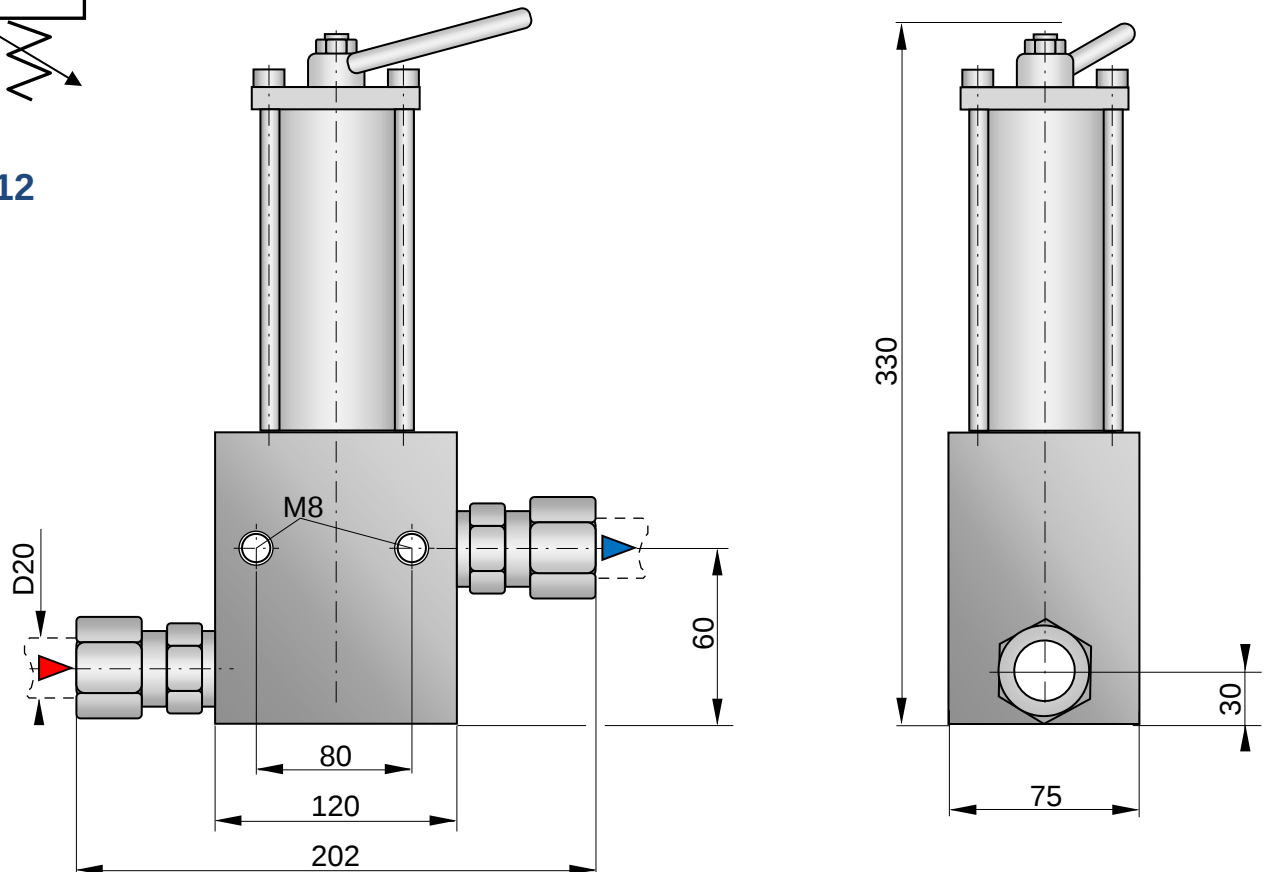


PRESSURE MAINTAINING VALVES TYPE DHV, DRV

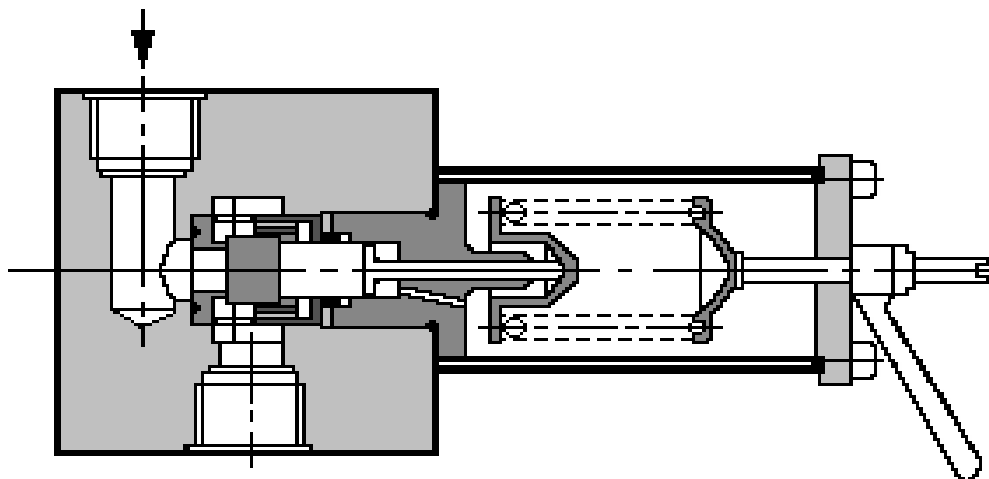


Opening Pressure Adjustment

DHV12



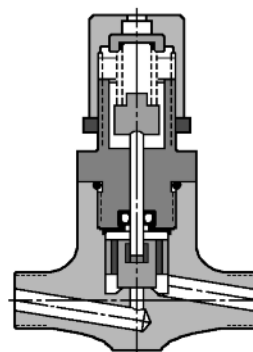
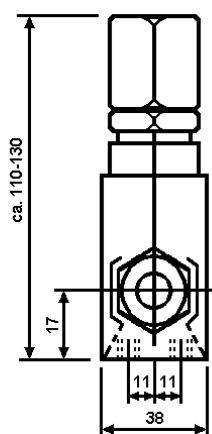
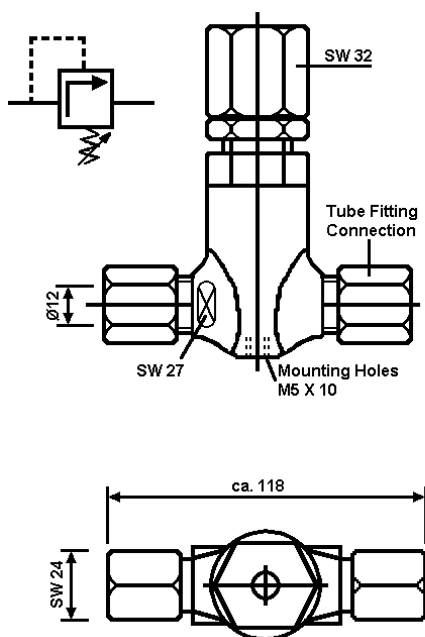
Order no. Seal Kit: DHV12VTS-451262-92





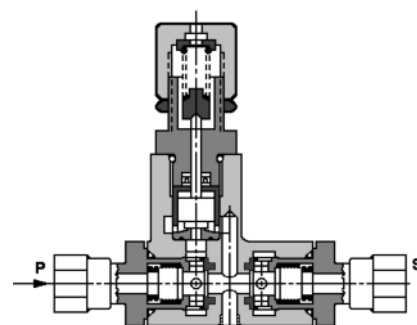
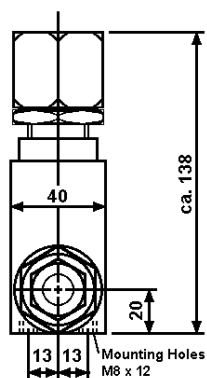
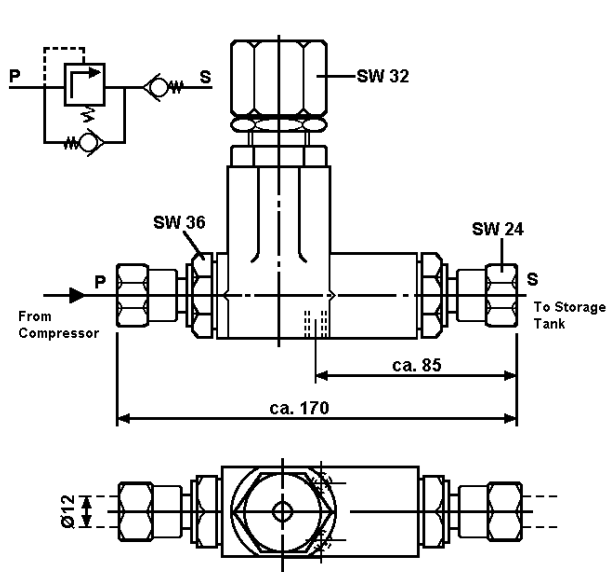
PRESSURE MAINTAINING VALVES TYPE DHV, DRV

DHV 05



Ordering Information
Spare Parts Kit:
DHV05VTS-504270-92

DRV 05



Ordering Information
Spare Parts Kit:
DRV05VTS-450050-92

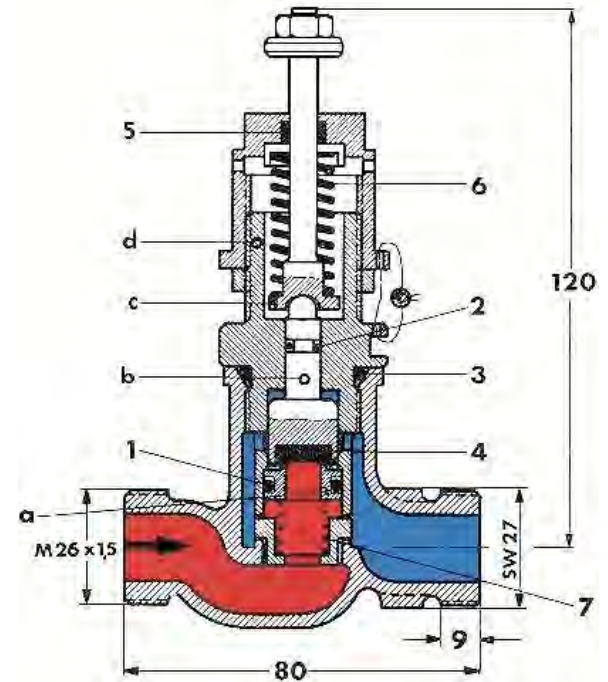
PRESSURE MAINTAINING VALVES TYPE DHV, DRV

Pressure Maintaining Valves are mounted between the condenser and the compressed air vessel. These valves maintain a constant pressure at the condenser and help to facilitate water separation from the air.

The higher the pressure at the valve, the better the water-separation.

Pressure Maintaining Valve includes EO fittings Gal. Zn 1201 DIN 50961

Options please find at datasheet DE1.1.3



Mass 5kg

Max operating pressure 45 bar

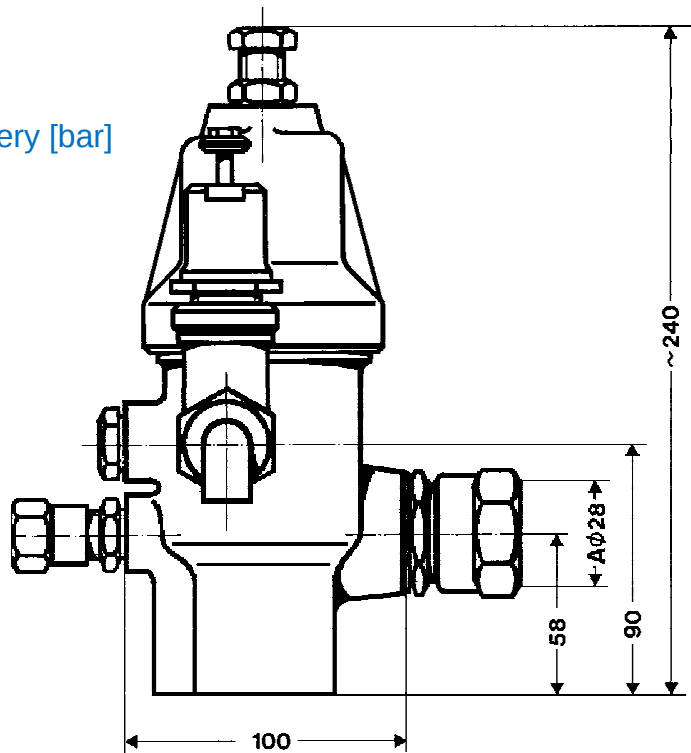
Soft seat

Ordering code: DHV08-12-160540

Adjusted set pressure with delivery [bar]

Example:

Valve combination DMV 08 and DHV 06. This combination can be used to reduce a pressure in a system and to protect the secondary circuit against overpressure.





PRESSURE MAINTAINING VALVES TYPE DHV, DRV

Pressure Maintaining Check Valves Type DHR05 include an Pressure Maintaining Valve Type DHV05 and an check valve. This combination is an economical option to individual piped valves. DHR valves are available with different ports so that they can be easily adapted to existing systems.

Pressure Maintaining Check Valves series DHR are mounted between the condenser and the compressed air vessel. These valves maintain a constant pressure at the condenser and help to facilitate water separation from the air.

As higher the pressure at the valve is, as better the water-separation.

Their robust construction allows their use under extreme conditions with a very long lifespan.



Ordering Information

DHR05-280-851714 Pressure Maintaining Check Valve with connections for pipes outside dia 12mm (Options please find at datasheet DE1.1.3)

DHR05-320-851741-01 DHR, Inlet: for pipe outside dia 12mm, Outlet: G 3/8" female port

RSV05-350-851716 Check Valve inlet: DHV connection port, outlet: for pipe outside dia 12mm (Options please find at datasheet DE1.1.3)

RSV05-185-851716-01 Check Valve inlet: DHV connection port, outlet: G 3/8" female port

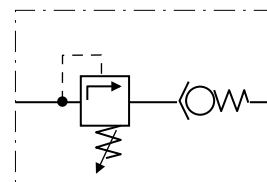
└ Adjusted set pressure with delivery [bar]

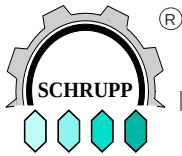
Technical Data

DHR 05

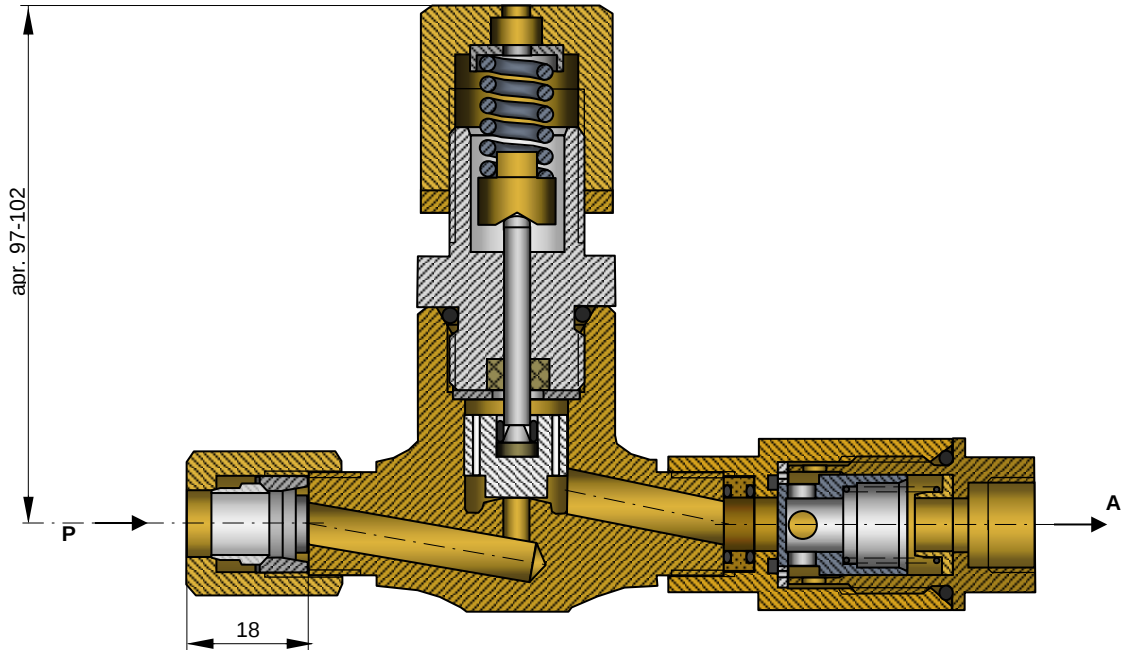
Flow rate at 10 bar dp	160	l/min
at 220bar dp	3500	l/min
Medium	compr.air	others on request
Min pressure drop	10	bar
Max. operating pressure	350	bar
Adjustment	15-350	bar
Mass	15	N
Housing material	MS	
Seals	Buna-N	

Functional Diagram

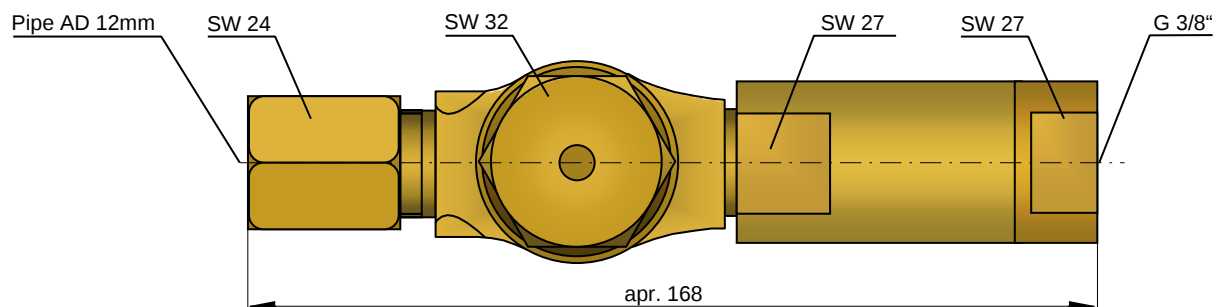




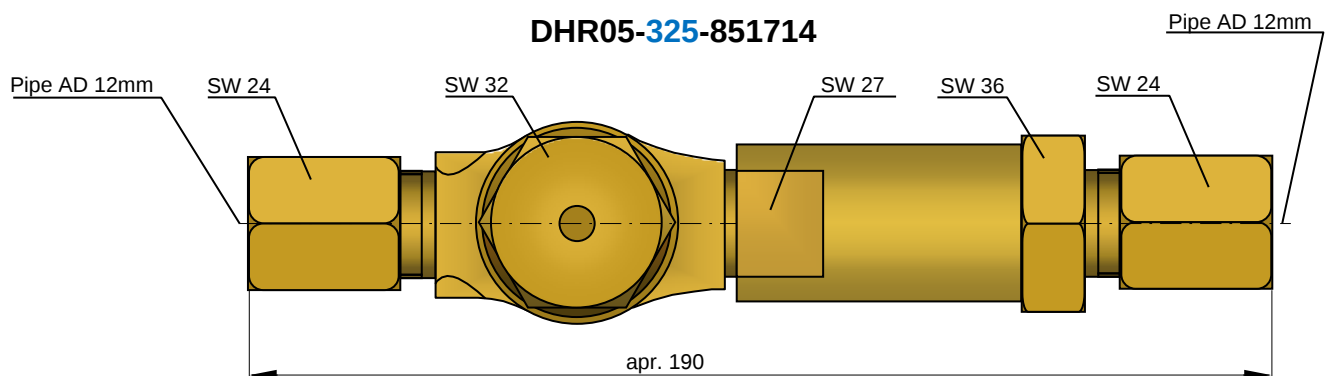
PRESSURE MAINTAINING VALVES TYPE DHV, DRV



DHR05-340-851714-01



DHR05-325-851714



Adjusted set pressure with delivery [bar]