M/55900
Air/ Oil Pressure Converter

- Volume: 0,25 ... 5 dm³
- Basic module to convert pneumatic pressure into hydraulic pressure
- Simple to install
- Corrosion resistant construction
- Integrated oil level indicator

Technical features

Medium:
Compressed air, filtered, lubricated or non-lubricated

Oil filling:
Mineralic hydraulic oils ISO VG 32 or ISO VG 46 according to DIN 51524

Installation:
Only vertical, oil port below

Operating pressure:
10 bar (145 psi) maximum
Volume:
0,25 ... 5 dm³

Note:
To calculate the volume of the pressure converter 50% must be added to the volume of the cylinder.

Operating temperature:
-20 ... +60°C max. (-4 ... +140 °F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

Materials:
Barrel: Anodised aluminium alloy
End covers:
Anodised aluminium alloy
Baffle plates:
Anodised aluminium alloy
Fittings:
Brass
Screws and nuts:
Zinc plated steel
Oil level indicator: PA-tube
Seals: NBR

Option selector

M/559★★

Volumes (dm³)	Substitute
0,25	03
0,5	05
0,75	08
1	10
1,5	15
2	20
3	30
4	40
5	50

Mountings

Model	A	C
		
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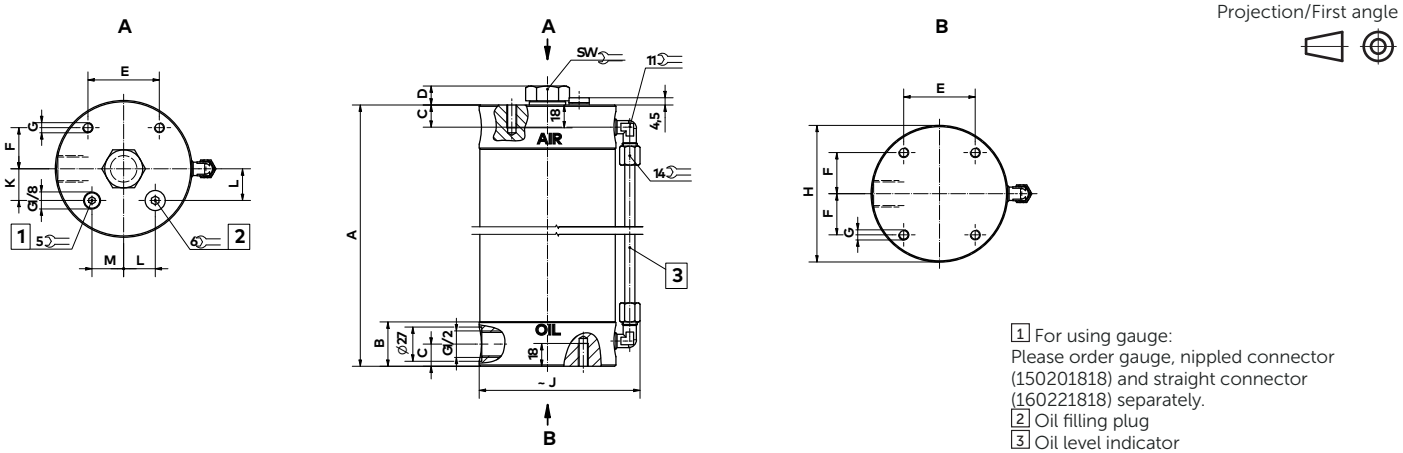
M/55903	QM/8032/35	QA/8040/21
M/55905	QM/8032/35	QA/8040/21
M/55908	QM/8032/35	QA/8040/21
M/55910	QM/8032/35	QA/8040/21
M/55915	QM/8032/35	QA/8040/21
M/55920	QM/8032/35	QA/8040/21
M/55930	QM/8050/35	QA/8063/21
M/55940	QM/8050/35	QA/8063/21
M/55950	QM/8050/35	QA/8063/21

Basic dimensions

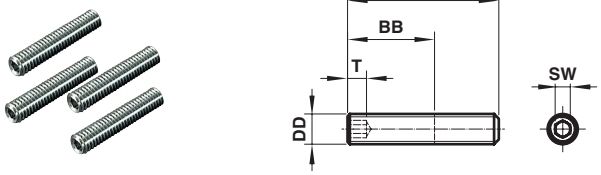
Dimensions in mm
Projection/First angle



1 For using gauge:
Please order gauge, nippled connector (150201818) and straight connector (160221818) separately.
2 Oil filling plug
3 Oil level indicator

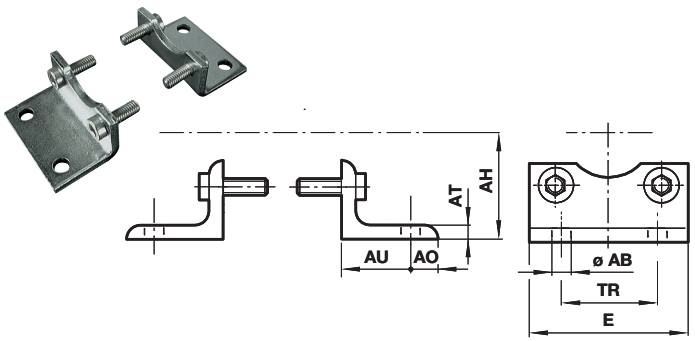
A	B	C	D	E	F	G	Ø H	J	K	L	M	SW	Weight	Model
150	30	15		38	19	M 6	69	95	17	16	13		1,10 kg	M/55903
232	30	15		38	19	M 6	69	95	17	16	13		1,28 kg	M/55905
315	30	15		38	19	M 6	69	95	17	16	13		1,46 kg	M/55908
400	30	15		38	19	M 6	69	95	17	16	13		1,64 kg	M/55910
564	30	15		38	19	M 6	69	95	17	16	13		2,00 kg	M/55915
730	30	15		38	19	M 6	69	95	17	16	13		2,36 kg	M/55920
472	35	17,5	15	56,5	32,5	M 8	108	135	25	25	25	30	4,36 kg	M/55930
604	35	17,5	15	56,5	32,5	M 8	108	135	25	25	25	30	5,04 kg	M/55940
736	35	17,5	15	56,5	32,5	M 8	108	135	25	25	25	30	5,72 kg	M/55950

Mountings
Front or rear stud mounting A



Volume	BB	DD	SW	kg	Model (A)
0,25 ... 2 dm³	17	M6	4	0,02	QM/8032/35
3 ... 5 dm³	23	M8	3	0,05	QM/8050/35

Foot mounting C
Conforms to ISO 15552, type MS1



Volume	Ø AB	AH	AO	AT	AU	E	TR	kg	Model (C)
0,25 ... 2 dm³	10	36	9	4	28	53	36	0,18	QA/8040/21
3 ... 5 dm³	10	50	12	5	32	74	50	0,39	QA/8063/21

Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under »**Technical features/ data**«.
Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult Norgren GmbH.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.