

















MACHINE TOOL











AR*

Pressure regulators

Model	Port size	Operating pressure [MPa]/[bar]	Regulated pressure [MPa]/[bar]	Repeatabilit
ARB20	1/8, 1/4	1/10	0.05÷0.85/0.5÷8.5	-
ARE30	1/4, 3/8, 1/2	1/10	0.05÷0.85/0.5÷8.5	-
ARG40	1/4, 3/8, 1/2	1/10	0.05÷0.85/0.5÷8.5	-
ARH40	1/4, 3/8, 1/2	1.5/15	0.1÷0.85/1÷8.5 0.1÷1.5/1÷15	-
ARM40	1/4, 3/8, 1/2	1/10	0.1÷0.85/1÷8.5	-
ARP50	3/4, 1	1.5/15	0.05÷0.85/0.5÷8.5	±7% F.S.
ARQ90	1 1/2	2.1/21	0.09÷0.86/0.9÷8.6	-
ARR90	2	3.1/31	max 1.75/max 17.5	-



AL*

Lubricators

							Model	Port size	Max operating pressure [MPa]/[bar]	Lubricating oil capacity [cc]	Min flow for oil drip [I/min]	Max flow rate [l/min]
		High pressure regulators				ALB20	1/8, 1/4	1/10	20	35, 50	-	
							ALB20L	1/8, 1/4	1/10	35	35, 50	-
a a	1, 1				Max	Regulated	ALE30	1/4, 3/8, 1/2	1/10	65	50, 60, 60	-
	i ki	Model	todel Type	Port size	operating pressure press	pressure	ALG40	1/4, 3/8, 1/2	1/10	200	100, 200, 400	400, 1300, 2500
SHOTH .	100000			3126	[MPa]/[bar]	[MPa]/[bar]	ALH40	1/4, 3/8, 1/2	1.5/15	200	30, 65, 80	1200, 2000, 2100
10	Friends !	ARS20	Standard	1/4	3.5/35	0÷1/0÷10	ALM40	1/4, 3/8, 1/2	1/10	200	30, 65, 80	-
1	(3/3)	ARS20H	High	1/4	3.5/35	0÷2.7/0÷27	ALP50	3/4, 1	1.5/15	200	25, 33	-
		ANJZUN	pressure	1/4	3.3/33	0.2.110-21	ALQ90	11/2	1.75/17.5	1000	204	12000



air treatment units



AF* Filters

air treatment units

AS*

Air, mist, micro mist filters

Model	Port size	Operating pressure [MPa]/[bar]	Drain capacity [cm³]	Removal ratio [%]	Rated flow [I/min]	Filter element [µm]
AFB20	1/8, 1/4	0.05÷1/0.5÷10	9.5	-	-	40, 5
AFB20L	1/8, 1/4	0.05÷1/0.5÷10	25	-	-	40, 5
AFE30	1/4, 3/8, 1/2	0.05÷1/0.5÷10	35	-	-	5, 40
AFG40	1/4, 3/8, 1/2	0.05÷1/0.5÷10	100	-	1500÷2200	40, 5
AFH40	1/4, 3/8, 1/2	0.05÷1.5/0.5÷15	70	-	1500÷2500	40, 5
AFM40	1/4, 3/8, 1/2	0.05÷1/0.5÷10	75	-	-	40, 5
AFP50	3/4, 1	0.05÷1.5/0.5÷15	70, 75	-	-	40
AFQ90	11/2	0.05÷1.75/0.5÷17.5	-	99	20000	50
AFR90	2	0.05÷1.75/0.5÷17.5	-	-	63000	50

Model	Port size	Operating pressure [MPa]/[bar]	Drain capacity [cm³]	Filter element [µm]
ASB20	1/8, 1/4	0.05÷1/0.5÷10	6.5	0.3, 0.01
ASB20L	1/8, 1/4	0.05÷1/0.5÷10	20	0.3, 0.01
ASH40	1/4, 3/8, 1/2	0.05÷1.5/0.5÷15	70	5, 0.3, 0.01
ASM40	1/4, 3/8, 1/2	0.05÷1/0.5÷10	75	5, 0.3, 0.01
ASP50	3/4, 1	0.05÷1/0.5÷10	75, 70	0.3, 0.01

air treatment units



AST - ASU - ASW - ASX - ASY

- Water, air, mist and micro mist filters.

 Absorbing the odor and removing oil mist with an activated carbon element in compressed air.

 The filter can be applied to requirement of high purity and oil-free, such as precision painting operations or food and medical equipment.

Model	Body size	Filter Type	Port size	Operating pressure [MPa]/[bar]	Nominal flow capacity [I/min (0.7 MPa)]	Removal rate [%]	Compatible with modular	Notes
	25		1/4, 3/8	0.05÷1/0.5÷10	650	99±1	A*H40, A*M40	Separating the water droplet with a special filtration in the
AST	35	Water Separator	3/8, 1/2	0.05÷1/0.5÷10	1350	99±1	A 1140, A 10140	compressed air (cannot remove mosture)
ASI	45	water Separator	1/2, 3/4	0.05÷1/0.5÷10	2100	99±1	A*P50	
	55		3/4, 1	0.05÷1/0.5÷10	3600	99±1	A*P50	
Model	Body size	Filter Type	Port size	Operating pressure [MPa]/[bar]	Nominal flow capacity [I/min (0.7 MPa)]	Filter element [µm]/	Compatible with modular	Notes
	25		1/4, 3/8	0.05÷1/0.5÷10	650	3	A*H40, A*M40	
ASU	35	Main line filter	3/8, 1/2	0.05÷1/0.5÷10	1350	3	A 1140, A 10140	
ASO	45	1/3	1/2, 3/4	0.05÷1/0.5÷10	2100	3	A*P50	
	55		3/4, 1	0.05÷1/0.5÷10	3600	3	A*P50	
	25	1/4, 3/	1/4, 3/8	0.05÷1/0.5÷10	650	0.3	A*H40, A*M40	Assembling a ASW series as pre-filter to extend the life of
ASW	35	Mist filter	3/8, 1/2	0.05÷1/0.5÷10	1350	0.3	•	activated carbon.
7311	45	TVIISE TITLEST	1/2, 3/4	0.05÷1/0.5÷10	2100	0.3	A*P50	
	55		3/4, 1	0.05÷1/0.5÷10	3600	0.3	A*P50	
	25		1/4, 3/8	0.05÷1/0.5÷10	500	0.01	A*H40, A*M40	
ASX	35	Micro mist filter	3/8, 1/2	0.05÷1/0.5÷10	1000	0.01	· ·	
ASA	45	WHETO THISE THEET	1/2, 3/4	0.05÷1/0.5÷10	2000	0.01	A*P50	
	55		3/4, 1	0.05÷1/0.5÷10	3600	0.01	A*P50	
	25		1/4, 3/8	0.05÷1/0.5÷10	500	0.01+Deodorization	A*H40, A*M40	
ASY	35	Odor removal	3/8, 1/2	0.05÷1/0.5÷10	1000	0.01+Deodorization		
75.	45	filter	1/2, 3/4	0.05÷1/0.5÷10	2000	0.01+Deodorization	A*P50	
	55		3/4, 1	0.05÷1/0.5÷10	3600	0.01+Deodorization	A*P50	



AU*

F.R. units



AW*

Start-up valves for low speed air supply to gradually raise initial pressure in an air system and for quick exhaust by cutting off air supply.

- Combination with modular type air units (F.R.L. unit).
- Adaptor possess smooth pressure relief is optional.

Model	Port size	Operating pressure [MPa]/[bar]	Drain capacity [cm³]	Filter element [µm]
AUB20	1/8, 1/4	0.05÷1/0.5÷10	9.5	40, 5
AUB20L	1/8, 1/4	0.05÷1/0.5÷10	25	40, 5
AUE30	1/4, 3/8, 1/2	0.05÷1/0.5÷10	35	5, 40
AUG40	1/4, 3/8, 1/2	0.05÷1/0.5÷10	100	40, 5
AUH40	1/4, 3/8, 1/2	0.05÷1.5/0.5÷15	70	40, 5
AUM40	1/4, 3/8, 1/2	0.05÷1/0.5÷10	75	40, 5
AUP50	3/4, 1	0.05÷1.5/0.5÷15	70, 75	40

air treatment unitsfr.l. units



air treatment units



AP*

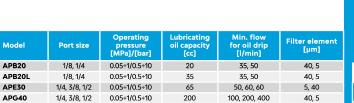
F.R.+L. units



AJ*

Shut-off valves

<u> </u>				
Model	Port size	Port/Position	Operating pressure [MPa]/[bar]	Model for F.R.L.
AJE30	1/4, 3/8, 1/2	2/2, 3/2	0÷1.5/0÷15	A*E30
AJG40	1/4, 3/8, 1/2	2/2, 3/2	0÷1.5/0÷15	A*H40 - A*M40



200

200

200

30, 65, 80 40, 5 25, 33 40 air treatment units

40, 5

30, 65, 80



AK*

Manual/Solenoid On-Off valves

Model	Port size	Port/ Position	Operating pressure [MPa]-[bar]	Voltage Solenoid Type	Model for F.R.L.
AKE30	1/4, 3/8, 1/2	3/2	0.1÷1/1÷10		A*E30
AKG40	1/4, 3/8, 1/2	3/2	0.1÷1/1÷10	AC110V/220V(50/60)Hz, DC24V	A*H40 - A*M40

air treatment units precision regulators



1/4, 3/8, 1/2

1/4, 3/8, 1/2

3/4, 1

APH40

APM40

APP50

AT*

0.05÷1.5/0.5÷15

0.05÷1/0.5÷10

0.05÷1/0.5÷10

F.+R.+L. units



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Precision regulators: can be used with mechanical or electronic digital pressure gauge.

• Convenient design, quick mounted bracket, can also be installed on the panel.

Model	Port size	Operating pressure [MPa]/[bar]	Lubricating oil capacity [cc]	Min. flow for oil drip [I/min]	Filter element [µm]
ATB20	1/8, 1/4	0.05÷1/0.5÷10	20	35, 50	40, 5
ATB20L	1/8, 1/4	0.05÷1/0.5÷10	35	35, 50	40, 5
ATE30	1/4, 3/8, 1/2	0.05÷1/0.5÷10	65	50, 60, 60	5, 40
ATG40	1/4, 3/8, 1/2	0.05÷1/0.5÷10	200	100, 200, 400	40, 5
ATH40	1/4, 3/8, 1/2	0.05÷1.5/0.5÷15	200	30, 65, 80	40, 5
ATM40	1/4, 3/8, 1/2	0.05÷1/0.5÷10	200	30, 65, 80	40, 5
ATP50	3/4, 1	0.05÷1/0.5÷10	200	25, 33	40

Model	Port size	Max operating pressure [MPa]/[bar]	Regulated pressure [MPa]/[bar]	Repeatability [% F.S.]	Air consumption [I/min(ANR)F.S.]	Compatible with modular
AQA10	1/8	1/10	0.005÷0.8/0.05÷8	±0.5	4.4	-
AQB20	1/4	1/10	0.005÷0.8/0.05÷8	±0.5	4.4	A*E30
AQD30	1/4 3/8 1/2	1/10	0.005÷0.8/0.05÷8	±0.5	11.5	A*H40 A*M40



AND

Hand-held regulators with no convex shaft design, small size and high transportability.

- Anodized aluminium body for lightweight design (about 80g)
- The outlet pressure can be observed and adjusted through the scale of the knob. The lock mechanism can prevent rotation accidentally.
- The unique structure of adjustment knob enables the pressure regulation to be completed within one turning round.
- Outlet pressure can be directly exhausted by turning back the adjustment knob.

0.3÷0.9/3÷9

pressur [MPa]/[b

3.75/37.5

80 air treatment units

(500)	900
	20
	100

AE*

Electro-pneumatic regulators with stepless control of air pressure proportional to electrical signal.

- Simplify complex pipeline for controlling different pressure.
- Compatible with different modular.
- Pressure display unit MPa, kgf/cm2, bar, psi, kPa.
- Achieve high precision pressure control with microcomputer PID.

Model	Port size	Max operating pressure [MPa]/[bar]	Output pressure display [% F.S. ±1 digit]	Enclosure	Compatible with modular
AEB20	1/4, 3/8	1/10	±2	IP65	A*E30
AED30	1/4, 3/8, 1/2	1/10	±2	IP65	A*H40 - A*M40

Communication type

Model	Port size	Max operating pressure [MPa]/[bar]	Output pressure display [% F.S. ±1 digit]	Communication Protocol	Compatible with modular
AEC20	1/4, 3/8	1/10	±2	RS-232, RS-485	A*E30
AEF30	1/4, 3/8, 1/2	1/10	±2	RS-232, RS-485	A*H40 - A*M40

air treatment units



1/4

Model

AND30

AD*

pressure [MPa]/[bar]

1.5/15

Auto drainers

AGA - AGB - AGC

Digital Condensation Removals with Timer are compact, modular timer valves combination specifically designed for air line condensation

- Compatible with valves size to obtain an optimal system.
- Easily programmable by two press-keys and a LCD display.
- Timers are water and dust protected to IP65 when installed properly to a coil and connector with provided M3 screw.

Model	Port size	Max operating pressure [MPa]/[bar]	Discharge per operation [cc]
ADG40	1/4, 3/8, 1/2	0.05÷1/0.5÷10	-
ADH40	1/2	0.1÷1.3/1÷13	-
ADL40	1/2	0.1÷1.3/1÷13	-
ADN50	1/2 (Inlet), 3/8 (Outlet)	0.13÷1.3/1.3÷13	60/ per on time. Max operation 25 times per minute.
ADP50	1/2 (Manual outlet) 3/8, 5/16 hose (Automatic outlet)	0.05÷1/0.5÷10	-





AHA - AHB

Top quality pleated filters void 98% volume.

- Filter media: high performance borosilicate microfiber with 98% void volume. The pleated design assures the highest possible filtration area within the element geometry to provide low operating cost.
- End cap: an O-ring sealed alumina end cap for the highest possible operating temperature, together with tie rod construction, provides highest possible security against pressure spikes in the compressed air system.
- Stainless steel support sleeves: inner and outer SS support sleeves for supporting the filter media, including a mechanical preseparation

Model	Port size	Operating pressure [MPa]/[bar]	Max capacity [Nm³/min]	Oil removal [mg/m³]	Filter element [µm]
AHA	1/2÷2 1/2	16/160	1.6÷25	0.003÷0.1	0.01, 1, 3
AHB	1/2÷2 1/2, 3"÷8"FL	10/100	1.6÷150	0.003÷0.1	0.01, 1, 3

Model	size	Seal material	rate [NI/min]	pressure [bar]	AC/DC
AGA	1/8, 1/4	NBR, EPDM Viton, Teflon	30÷180	AC: 1÷30 DC: 0.1÷30	AC: 5.3÷8 VA DC: 5.2÷6.8 W
AGB	1/4, 3/8, 1/2, 3/4	NBR, EPDM, Viton Teflon, Ruby, FFKM	100÷1300	AC: 0.4÷40 DC: 0.4÷30	AC: 8.6÷24 VA DC: 10÷18.5 W
AGC	1/4, 3/8, 1/2	NBR, Viton	140÷950	AC: 1.5÷25 DC: 1.5÷20	AC: 5.7÷23 VA DC: 5.2÷18.5 W
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Tempering treatment	Tempering treatment makes the inner case more solid and reduces fracture possibility when operating.
Protection	Body with SurTec 650 surface treatment enhance the resistance of oxidation from acidbase.
Self-locking	Pressed-in and self-locking mechanism to ensure stability.
Filter	Water removal rate 93%, 99% (Precision)
Precision regulator	Repeatability under ±0.5% F.S.
Remote monitoring	Achieve remote monitoring through the feedback of electric signal and stepless control of the thrust force.
Diversified combination	Diversified modular products can be applied in the different instances.
Flow rate	To 6 bar and Δp 1 bar





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