

ARCA
VALVES

*quality engineered
control valves*

000100 SERIAL 1,00 PC

Replacement for:

Customer Article Number: 6970426799
Serial no.: 1046661

000150 HUB 1,00 PC

Final control element

With the following configuration:

Tag.No/KKS-No.	1101.21.Y01
Purpose	VERDICHTER ABBLASEVENTIL
Process Fluid	LUFT
Design Pressure (bar g) Inlet	8,000
Design Temp. max (°C) Inlet	50,000
Design Temp. min (°C)	0,000
QV-max (Std. m3/h)	127.500,0000
Qm-max (kg/h)	164.782,0000
P1 @ Q max (bar a)	8,000
P2 @ Qmax (bar a)	1,500
T1 @ Q max (°C)	75,000
QV-norm (Std. m3/h)	107.598,0000
Qm-norm (kg/h)	140.140,0000
P1 @ Q norm (bar a)	6,329
P2 @ Q norm (bar a)	1,370
T1 @ Q norm (°C)	92,000
QV-min (Std. m3/h)	80.000,0000
Qm-min (kg/h)	102.464,0000
P1 @ Q min (bar a)	6,300
P2 @ Q min (bar a)	1,200
T1 @ Q min (°C)	97,000
Painting Spec. Valve	C3
Colour Valve	RAL 9006 - silver
Painting Spec. Actuator	C2
Colour Actuator	5015
Nameplate	VA, ENGLISCH
units nameplate	M
Tubing Material	stainless steel
Tubing Diam.	pipe 12 mm
Fittings Material	stainless steel
Fittings Manufacturer	HY-LOCK
Valve acc. PED	yes
Fluid Group	group 1-gas/liquid pD>0,5bar
Classification	pipng
PED Cat.	III
Applied Code	group AD2000
Quality Class Casting	quality class D
Certificate Code	AS01
Material Certificate EN 10204	3.1
Final Insp. Cert. EN 10204	3.1
Test Fluid Seat Leakage Test	WASSER
test standard seat tightness	A
Hydrost. Test Press.(bar g) In	30
Flow Direction Fig.	0.1 (FTO)
Mounting Positioner	0.1/6
dp (bar g) in Flow Direction	8

ACE Ident. Nr. 6970 426799
ACE Kom. 531 38274

Without silencing disc!

Gross weight: 1.380 kg

Net weight: 1200 kg

Sub-items 000151 to 000167 belong to item

000151	3151952	1,00 PC
C-Valve DN14"ANSI150 Type6N7 A216WCB		
Type 6N7-L1-LN ECOTROL-W4		
Single seat-control valve DN14" ANSI150		
Flanges acc. ASME B16.5 -RF		
Length: 889 mm		
Top flange standard		
Housing-Material: A216WCB		
Plug material: 1.4122		
with pressurebalance Q-Viton		
1-step perforated plug, kvs 1800 linear		
with reduced low noise cage LN, Sum-KVs 1325		
Material seat: 1.4021-nitrided, seat Ø 313 mm		
Packing: PTFE V-Ring/Viton		
000152	3138230	1,00 PC
Pneumatic Actuator 811-5585D-S H		
Control-Actuator UMA V Stroke 100mm		
Function: Air to Close, spring to open		
Air-Trust-Force extend. at 4/5/6 bar Air-Supply		
Diaphragm-Area 1440cm ²		
Single-Spring adjustable 0,4 - 3,0 bar		
Stem-Thread M20X1,5, Connection Ø 100 mm		
Detail: 2x air connection G1/2"/ 3 BE-U.ENTL.ST		
000153	2257126	1,00 PC
ST REGLER 827A.E2-A0H-M10-G		
Type 827A.E2-A0H-M10-G		
Intelligent Positioner		
Input 4-20mA, 2-Wiring		
Metal-Housing IP66		
single acting		
Cable-Gland M20x1,5		
Air-Connection G1/4		
with Analog-Module		
with HART-Module		
000154	3121444	1,00 PC
Coupling		
coupling		
M20x1,5 / M27x2		
000155	2211302	1,00 PC
Mounting Positioner		
MOUNTING KIT Positioner NAMUR *		
Type 827/ PS2 NAMUR for stroke -> 35		
according NAMUR		
000156	2264839	2,00 PC
Booster SMC EVEX1500-04F G1/2		
Type EVEX 1500-04F		
pneum. booster with high venting capacity		
connections G1/2"		
signal connection G1/4"		
flow capacity Kvs 8,5		
operating pressure: 0,5 to 9 bar		

000157	V.ANBAU 12VA	2,00 PC
Mounting 12 mm VA-fittings		
000158	3002194	1,00 PC
Solenoid valve FESTO		
3/2Wege Magnetventil		
SEITZ (FESTO) Type UV 0532 -2A-52		
Gehäuse Alu, G1/4" , Kvs 0,30		
Magnet: 24V, DC, 3,5W		
EEx em II T4-6		
Kabeleinführung M20x1,5		
000159	V.ANBAU 12VA	1,00 PC
Mounting 12 mm VA-fittings		
000160	3002198	1,00 PC
Air Filter		
Typ ASH12-FR-SR-MD-10-X4		
Fabr. Bifold		
Filter und Reduzierstation		
Anschlüsse : 1/2" NPT		
Gehäuse und Innenteile in Edelstahl		
Filterelement : 40 - 50 µm		
mit manuellem Kondensatablaß		
Eingang: 1,4 bis 10 bar g (150 Psi)		
Ausgang : einstellbar 0,4 bis 6,0 bar g		
ohne Manometer		
000161	V.ANBAU 12VA	1,00 PC
Mounting 12 mm VA-fittings		
000162	2241032	2,00 PC
Throttle check valve Festo G1/2 alu		
throttle check valve G1/2" / type GR-1/2		
body material GD-ZnAl / operating pressure: 0,1 to 10 bar		
000163	V.ANBAU 12VASW	2,00 PC
Screwings SS 12mm Swagelok		
000164	3048048	2,00 PC
pressure relief valve Götze G1/2 6,5 bar		
Götze type 812		
Pressure relief valve G1/2"		
Pressure: 6,5 bar fixed adjustment		
Body and Trim Material brass		
Spring 1.4310, Gasket FKM		
zulässiger Temp. Bereich -40°C bis +170°C		
000165	2186159	2,00 PC
Silencer G1/2 steel polyester felt		
High-performanced acoustic silencer G1/2"		
000166	3039641	1,00 PC
MANOMETER 40 0- 6.0 BAR/MPA VA/MS		
Gauge Ø40mm,G1/8",		
Display 0-6 bar/MPa		
Body stainless steel, measuring elements chromed brass.		
000167	3176603	1,00 PC
Gauge group for positioner 827 2fold		

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000251	3135060	1,00 PC
C-Valve 6"ANSI150 Type6N1 A216WCB		
Type 6N1-L1 ECOTROL-W4		
Single-Seat-Control-Valve 6" class 150		
Flanges 6" ANSI 150 RF		
Face-to-Face: 451 mm		
Top-Flange standard design		
Body-Material: A216WCB		
Material Plug: 1.4122		
1-step Perforated-Plug kv 380, characteristic linear		
Material Seat: 1.4021-nitrated, Seat Ø 143 mm		
packing: Chesterton 477-1		
000252	2184490	1,00 PC
Pneum. Act. 812 MFIII-5-60.3-ATC		
Type 812 MFIII-5-60.3-ATC		
Pneumat. Control-Actuator Stroke 60mm Air to Close		
Air-Trust-Force extend. at 4/5/6 bar Air-Supply -/ -/ - KN		
Diaphragm-Area 720cm ²		
3 Springs Set-Range - bar		
Design B, reversiable		
Stem-Thread M20X1,5, Connection Ø 72 mm		
Air-Connection: G1/2"		
000253	2257126	1,00 PC
ST REGLER 827A.E2-A0H-M10-G		
Type 827A.E2-A0H-M10-G		
Intelligent Positioner		
Input 4-20mA, 2-Wiring		
Metal-Housing IP66		
single acting		
Cable-Gland M20x1,5		
Air-Connection G1/4		
with Analog-Module		
with HART-Module		
000254	3121443	1,00 PC
Coupling		
coupling		
M20x1,5 / M18x1,5		
000255	2214650	1,00 PC
Mounting Positioner		
MOUNTING KIT for Positioner 827/812A.		
Type 827, for integrate at 812 MFIII--60		
000256	3176603	1,00 PC
Gauge group for positioner 827 2fold		
000257	2264839	1,00 PC
Booster SMC EVEX1500-04F G1/2		
Type EVEX 1500-04F		
pneum. booster with high venting capacity		
connections G1/2"		
signal connection G1/4"		
flow capacity Kvs 8,5		
operating pressure: 0,5 to 9 bar		
000258	V.ANBAU 12VA	1,00 PC
Mounting 12 mm VA-fittings		
000259	3002194	1,00 PC
Solenoid valve FESTO		

3/2Wege Magnetventil
 SEITZ (FESTO) Type UV 0532 -2A-52
 Gehäuse Alu, G1/4" , Kvs 0,30
 Magnet: 24V, DC, 3,5W
 EEx em II T4-6
 Kabeleinführung M20x1,5

000260	V.ANBAU 12VA	1,00 PC
Mounting 12 mm VA-fittings		
000261	3002198	1,00 PC
Air Filter		
000262	V.ANBAU 12VA	1,00 PC
Mounting 12 mm VA-fittings		
000263	3039641	1,00 PC
MANOMETER 40 0- 6.0 BAR/MPa VA/MS		
Gauge Ø40mm,G1/8",		
Display 0-6 bar/MPa		
Body stainless steel, measuring elements chromed brass.		
000264	2241032	2,00 PC
Throttle check valve Festo G1/2 alu		
throttle check valve G1/2" / type GR-1/2		
body material GD-ZnAl / operating pressure: 0,1 to 10 bar		
000265	V.ANBAU 12VA	2,00 PC
Mounting 12 mm VA-fittings		
000266	2186159	1,00 PC
Silencer G1/2 steel polyester felt		
High-performanced acoustic silencer G1/2"		
