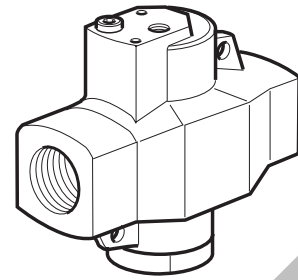




# *VE Heavy Duty Isolator Valves*



- In line installation
- High flow
- Internal supply for signal air
- Suitable as main shut-off valve or as power valve for cylinder and air motors
- Optional low-pressure hydraulic version



## Specification

Valve body	Anodised aluminium
Valve spools, standard	Anodised aluminium and vulcanised Nitrile rubber, NBR
Valve spools, +B00	Anodised aluminium and vulcanized Flourcarbon rubber, FPM
Springs	Zinc-plated steel
O-rings, std	Nitrile rubber, NBR
O-rings, +B00	Flourcarbon rubber, FPM
Fitting	Anodised aluminium
Plug	Zinc-plated steel

## Operating information

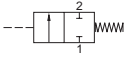


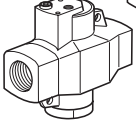
	VE22/23	VE42/43	VE82/83
Working pressure	Max 10 bar	Max 10 bar	Max 10 bar
Working temperature	-10 °C to +70 °C		
Flow, C= (acc. to ISO 6358)	5,4 l/s, bar (b=0,4)	20,3 l/s, bar (b=0,4)	52 l/s, bar (b=0,35)
Qn=	24,5 l/s	92 l/s	228 l/s
Qmax=	37,8 l/s	142,1 l/s	364 l/s
Signal pressure at 6 bar	Min 3,5 bar	Min 3,5 bar	Min 3 bar

Port 3 must not be plugged or pressurised  
 Prelubricated, further lubrication is not normally necessary  
 If additional lubrication is introduced it must be continued

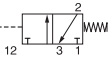

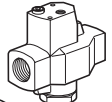
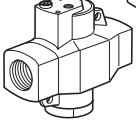
**VE42** **A** **S** **5** **+B00**

Valve series		Actuator		Return		Option	
VE22	2/2 G1/4	A	Air	S	Spring	+B00	Low pressure hydraulic
VE23	3/2 G1/4						
VE42	2/2 G1/2						
VE43	3/2 G1/2						
VE82	2/2 G1						
VE83	3/2 G1						

## Main data for Airline Isolator Valves, VE22-83 series

Type	Symbol	Actuator	Return	Operating pressure, at 6 bar	Port size	Weight Kg	Order code	D	
2-port valves, NC	   	Air	Spring	3,5	G1/8	0,44	<b>VE22-A-S-5**</b>	1	
								<b>VE22-A-S-5+B00*</b>	1
		Air	Spring	3,5	G1/2	0,30	<b>VE42-A-S-5**</b>	1	
								<b>VE42-A-S-5+B00*</b>	1
		Air	Spring	3,5	G1	0,80	<b>VE82-A-S-5**</b>	1	
								<b>VE82-A-S-5+B00*</b>	1

### 3-ports valves, NC

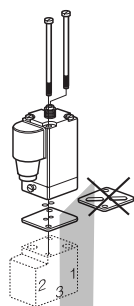
   	Air	Spring	3,5	G1/4	0,44	<b>VE23-A-S-5**</b>	1
	Air	Spring	3,5	G1/2	0,30	<b>VE43-A-S-5**</b>	1
	Air	Spring	3,5	G1	0,80	<b>VE83-A-S-5**</b>	1

\* For low pressure hydraulics

\*\* For electrically actuated, please order 1 pcs adaptor set, 1 pcs solenoid VE13 and 1 pcs cable connector

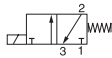
## Accessories

Description	Weight Kg	Order code	D
Adaptor set for VE13-E-S-6	0,023	<b>4145 0645-90</b>	1



## Solenoids



Voltage	Order code	Symbol	D
24VCC	<b>8204 0498-97</b>		1
24V/50Hz	<b>8204 0498-63</b>		1
110V/50Hz	<b>8204 0498-71</b>		1
220V/50Hz	<b>8204 0498-89</b>		1
240V/50Hz	<b>8204 0489-72</b>		1

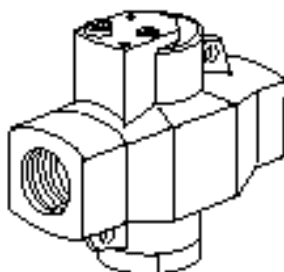
## Cable plug

For VE13



Designation	Order code	D
Connector 24V, LED+Diode	<b>9125 9980-04</b>	1
Connector 24V AC/DC, LED+VDR	<b>9125 9980-06</b>	1
Connector 110V AC/DC, LED+VDR	<b>9125 9980-08</b>	1
Connector 240V AC/DC, LED+VDR	<b>9125 9980-10</b>	1
Connector, black	<b>9125 9980-11</b>	1

# Service and Replacement Parts



## VE22-83 Series Isolator Valves

Part Number	Repair Kit (Spool assembly)
VE22/23/42/43	4145059580
VE22/23/42/43 + B00 (Low pressure oil version)	4145060280
VE82/83	4145059480
VE82/83 + B00 (Low pressure oil version)	4145060380

## Solenoid Adaptor Kit (converts air pilot to solenoid operation)

Part Number	Adaptor Kit
VE22/23/42/43/82/83	4145064590

## Replacement Solenoids

Voltage	Part Number	
	With manual override	Without manual override
24vdc	VE13-C042C2	VE13-ESD042C2
24vac 50Hz	VE13-C044C2	VE13-ESD044C2
110vac 50Hz	VE13-C044E2	VE13-ESD044E2
220vac 50Hz	VE13-C044H2	VE13-ESD044H2
240vac 50Hz	VE13-C044K2	VE13-ESD044K2