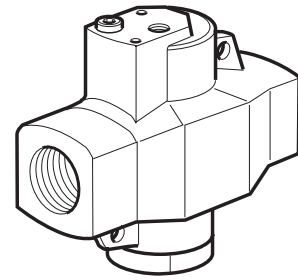




VE Heavy Duty Isolator Valves



- 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

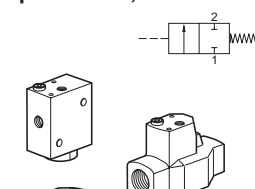
	VE22/23	VE42/43	VE82/83
Working pressure	Max 10 bar	Max 10 bar	Max 10 bar
Working temperature	-10 °C to +70 °C		
Flow, C=	5,4 l/s, bar	20,3 l/s, bar	52 l/s, bar
(acc. to ISO 6358)	(b=0,4)	(b=0,4)	(b=0,35)
Qn=	24,5 l/s	92 l/s	228 l/s
Qmax=	37,8 l/s	142,1 l/s	364 l/s
Signal pressure at 6 bar	Min 3,5 bar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

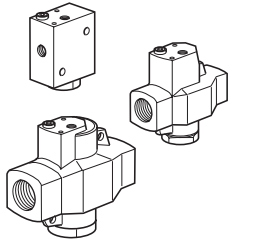
Port 3 must not be plugged or pressurised
 Prelubricated, further lubrication is not normally necessary
 If additional lubrication is introduced it must be continued

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

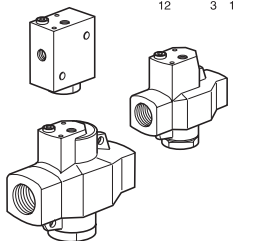
	Valve series	Actuator	Return	Option
VE22	2/2 G1/4	A Air	S Spring	+B00 Low pressure hydraulic
VE23	3/2 G1/4			
VE42	2/2 G1/2			
VE43	3/2 G1/2			
VE82	2/2 G1			
VE83	3/2 G1			

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	VE22-A-S-5**	1
		Air	Spring	3,5	G1/2	0,30	VE22-A-S-5+B00*	1
		Air	Spring	3,5	G1	0,80	VE82-A-S-5**	1
							VE82-A-S-5+B00*	1



3-ports valves, NC								
		Air	Spring	3,5	G1/4	0,44	VE23-A-S-5**	1
		Air	Spring	3,5	G1/2	0,30	VE43-A-S-5**	1
		Air	Spring	3,5	G1	0,80	VE83-A-S-5**	1

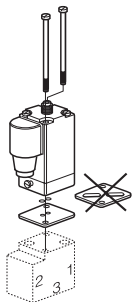


* For low pressure hydraulics

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

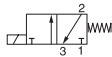
Accessories

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



Solenoids



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

Cable plug

For VE13

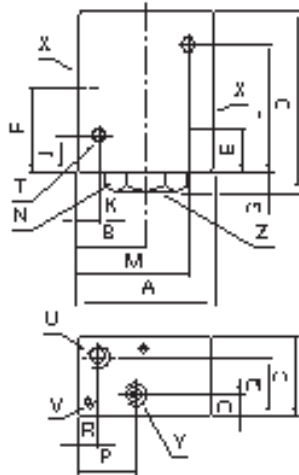


Designation	Order code	D
Connector 24V, LED+Diode	9125 9980-04	1
Connector 24V AC/DC, LED+VDR	9125 9980-06	1
Connector 110V AC/DC, LED+VDR	9125 9980-08	1
Connector 240V AC/DC, LED+VDR	9125 9980-10	1
Connector, black	9125 9980-11	1

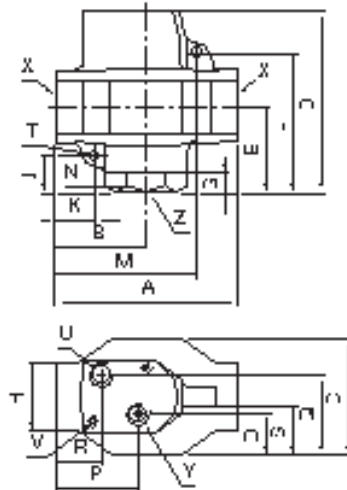
Dimensions, Airline Isolator Valves

All dimensions in mm unless otherwise stated

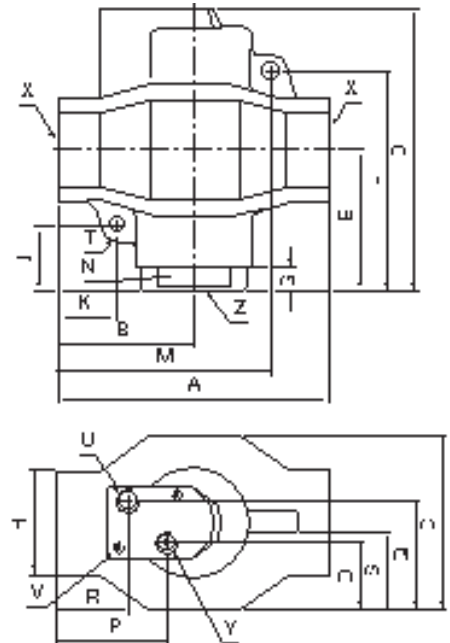
VE22/VE23



VE42/VE43



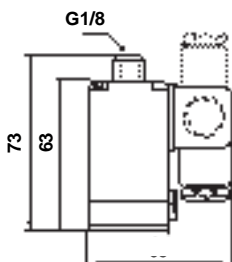
VE82/VE83



Type	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S
VE22/VE23	60	30	35	82,5	21	36	6	-	14	10	54	50	30	9,0	26,0	26,0	9,0	-
VE42/43	82	41	50	88,8	40	-	8	30	17	18	63	64	30	16,5	38,5	33,5	21,5	21,0
VE82/VE83	120	60	75	133,3	60	-	10	45	26	26	94	94	45	29,0	46,5	46,0	29,5	32,5

Type	T	U	V	X	Y	Z
VE22/VE23	6,5	G1/8	M4	G1/4	G1/8	G1/4
VE42/VE43	6,5	G1/8	M4	G1/2	G1/8	G1/2
VE82/VE83	8,5	G1/8	M4	G1	G1/8	G1

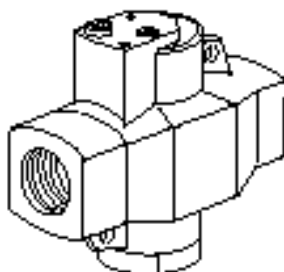
VE13-E-S-6



4 Plug for air supply to remote valve

Other dimensions see page 561

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-ESC042C2	VE13-ESD042C2
24vac 50Hz	VE13-ESC044C2	VE13-ESD044C2
110vac 50Hz	VE13-ESC044E2	VE13-ESD044E2
220vac 50Hz	VE13-ESC044H2	VE13-ESD044H2
240vac 50Hz	VE13-ESC044K2	VE13-ESD044K2