



Eurovacuum EVDR-Series

Dry Rotary Vane Vacuum Pumps & Compressors

Contents



Eurovacuum EVDR Series

Dry Running Rotary Vane Vacuum Pumps

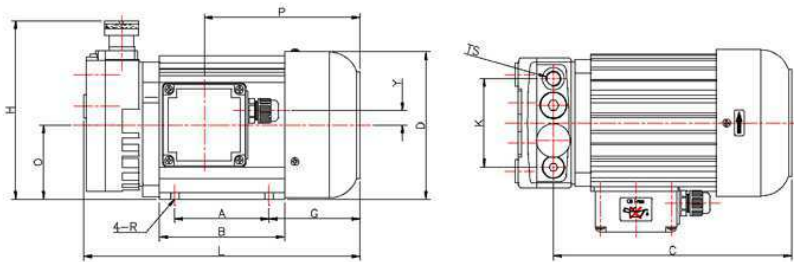
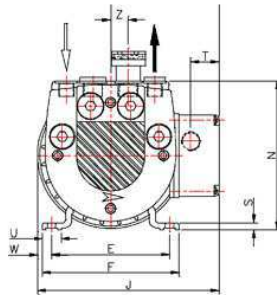
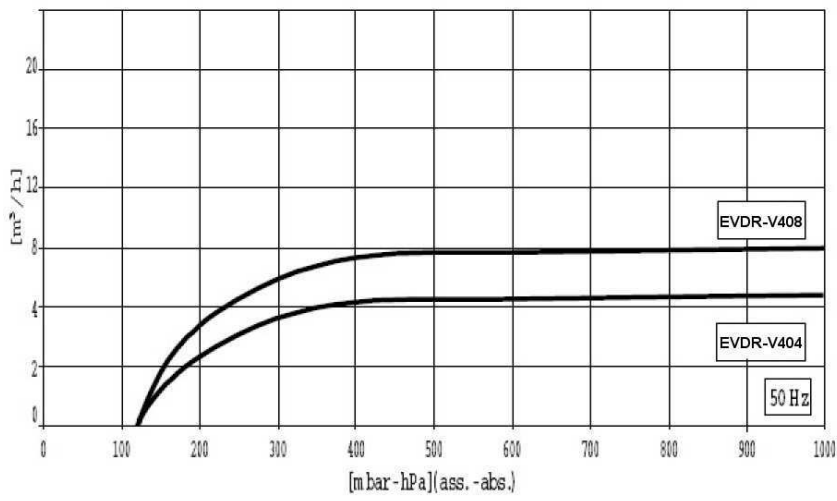
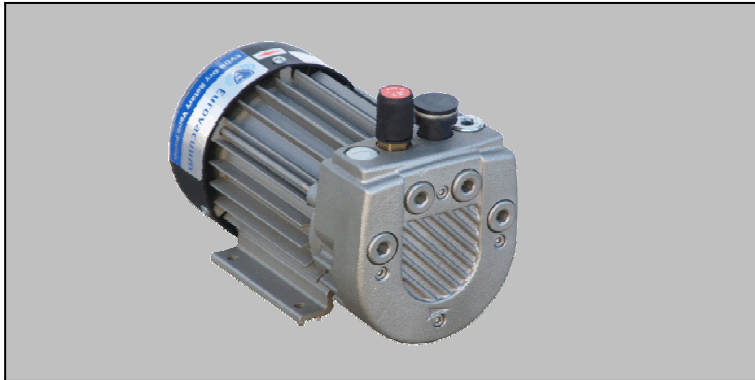
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TYPE EVDR-V404



Dimensions	A	B	C	D	E	F	G	H	J	K	L	M
EVDR-V404	80	106	202	125	100	116	77	151	154	75	234	92
	N	O	P	R	S	T	U	W	Y	Z	TS	
	126	63	132	Ø7	6	24	16	12	12	15	G ¼	

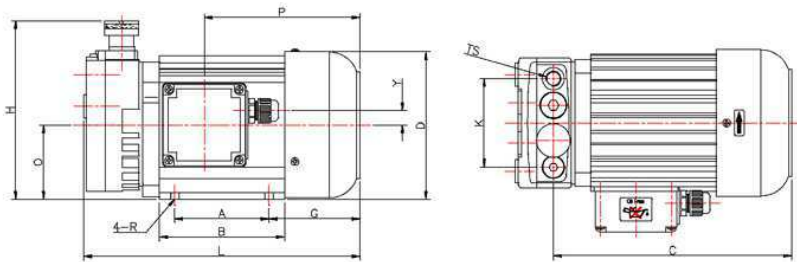
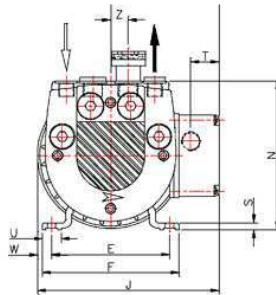
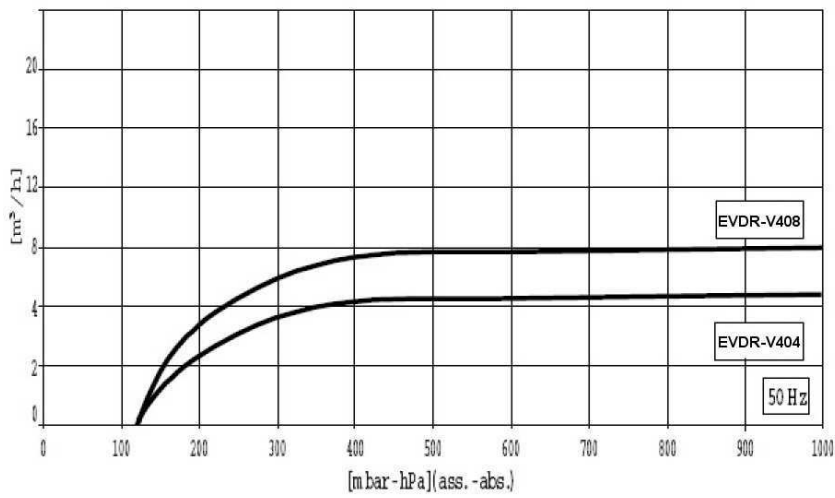
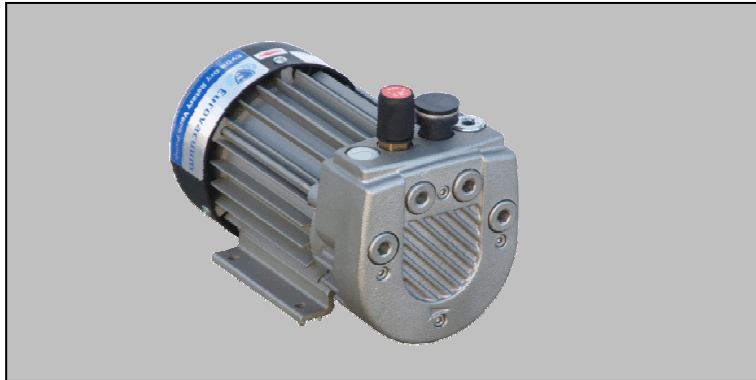
TYPE EVDR-V404

Technical Data		TYPE EVDR-V404	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	4,0	4,8
Ultimate vacuum (abs.)	mbar	150	
Vanes		long life carbon vanes	
Cooling type		air cooling	
Power	kW	0,18	0,22
Nominal speed	rpm	1400	1700
Noise level	dB(A)	59	61
Operating temperature*	°C	70 - 73	75 - 80
Ambient temperature	°C	0 - 40	
Weight	kg	7,5	
Connection	Inlet G(BSP)	3/8"	

*at ambient temperature 20°C

Ordering Information	TYPE EVDR-V404
	50/60 Hz
Single phase motor 230V, 50/60 Hz (IEC)	641404
Three phase motor 400V, 50Hz (IEC)	643404
Other Voltages/Frequencies	Upon request
Accessories:	
Inlet dust filter with paper cartridge	01800
Spare parts:	
Set of vanes (5 pieces)	640111
Maintenance kit	640199
Filter cartridge	640122

TYPE EVDR-V408



Dimensions	A	B	C	D	E	F	G	H	J	K	L	M
EVDR-V408	80	106	209	125	100	116	77	158	155	79	244	93
	N	O	P	R	S	T	U	W	Y	Z	TS	
	133	63	132	Ø7	6	24	16	12	12	15,5	G ^{3/8}	

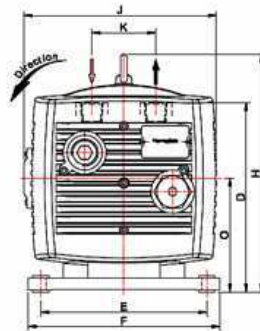
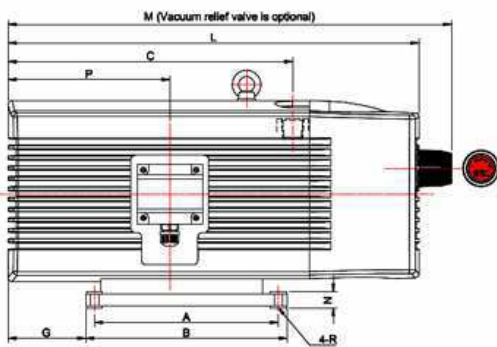
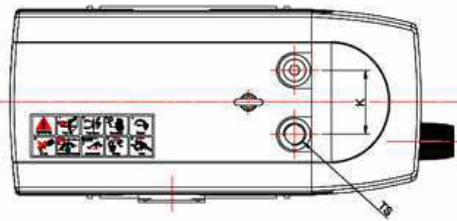
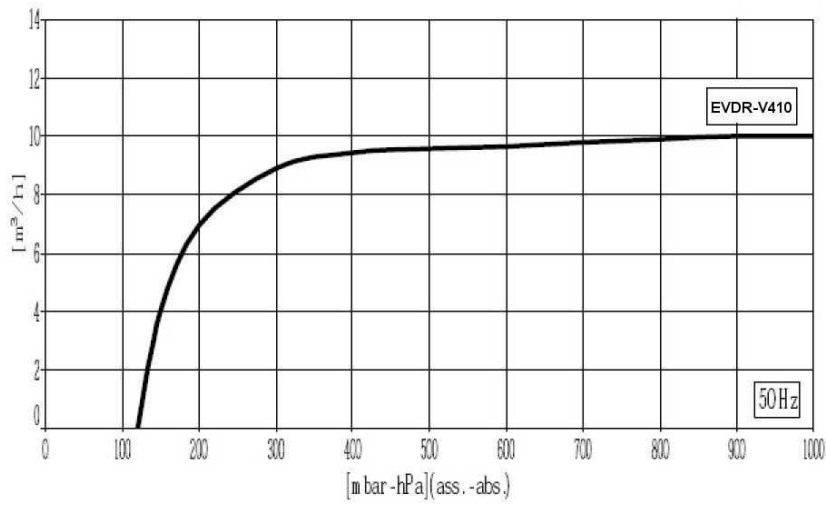
TYPE EVDR-V408

Technical Data		TYPE EVDR-V408	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	8,0	9,6
Ultimate vacuum (abs.)	mbar	150	
Vanes		long life carbon vanes	
Cooling type		air cooling	
Power	kW	0,35	0,42
Nominal speed	rpm	1400	1700
Noise level	dB(A)	60	61
Operating temperature*	°C	70 - 73	72 - 75
Ambient temperature	°C	0 - 40	
Weight	kg	12	
Connection	Inlet	G(BSP) $\frac{3}{8}$ "	

*at ambient temperature 20°C

Ordering Information	TYPE EVDR-V408
	50/60 Hz
Single phase motor 230V, 50/60 Hz (IEC)	641408
Three phase motor 400V, 50Hz (IEC)	643408
Other Voltages/Frequencies	Upon request
Accessories:	
Inlet dust filter with paper cartridge	01800
Spare parts:	
Set of vanes (5 pieces)	640211
Maintenance kit	640299
Filter cartridge	640222

TYPE EVDR-V410



Dimensions	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	TS
EVDR-V410	202	233	308	200	125	157	91	275	232	75	433	465	20	130	167	Ø9	G ½

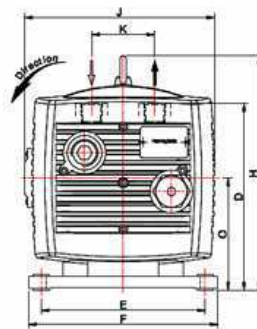
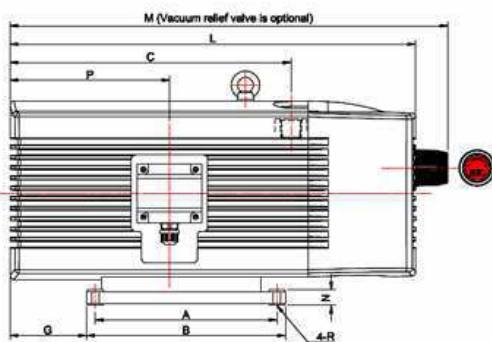
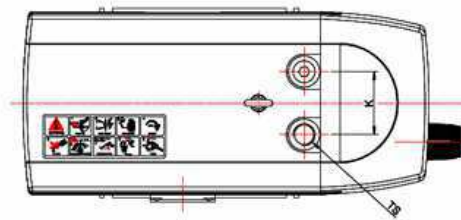
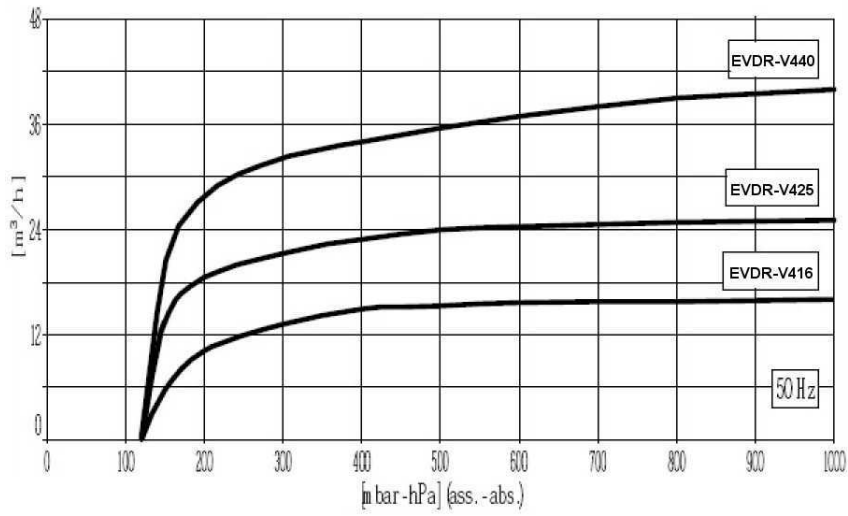
TYPE EVDR-V410

Technical Data		TYPE EVDR-V410	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	10	12
Ultimate vacuum (abs.)	mbar	150	
Vanes		long life carbon vanes	
Cooling type		air cooling	
Power	kW	0,37	0,37
Nominal speed	rpm	1400	1700
Noise level	dB(A)	58	60
Operating temperature*	°C	72 - 78	75 - 80
Ambient temperature	°C	0 - 40	
Weight	kg	21	
Connection	Inlet	G(BSP)	½"

*at ambient temperature 20°C

Ordering Information	TYPE EVDR-V410
	50/60 Hz
Single phase motor 230V, 50/60 Hz (IEC)	641410
Three phase motor 400V, 50Hz (IEC)	643410
Other Voltages/Frequencies	Upon request
Accessories:	
Vacuum limitation valve	640097
Non return valve (vacuum safety valve)	640095
Inlet dust filter with paper cartridge	02800
Spare parts:	
Set of vanes (7 pieces)	640313
Gasket	640322
Maintenance kit	640399
Filter cartridge	640323
Filter pressure spring	640324
Silencer valve	640334

TYPE EVDR-V416



Dimensions	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	TS
EVDR-V416	202	233	327	200	125	157	91	275	232	75	458	490	20	130	167	Ø9	G ½

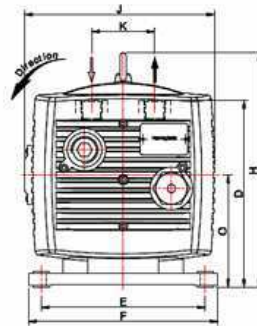
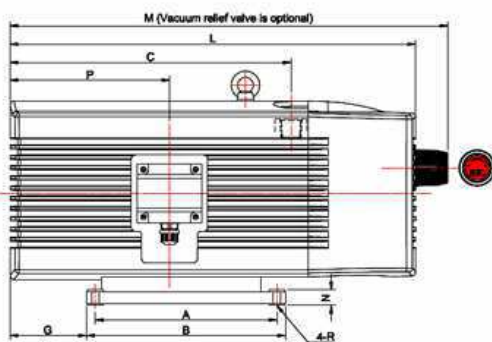
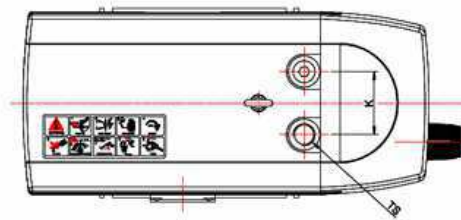
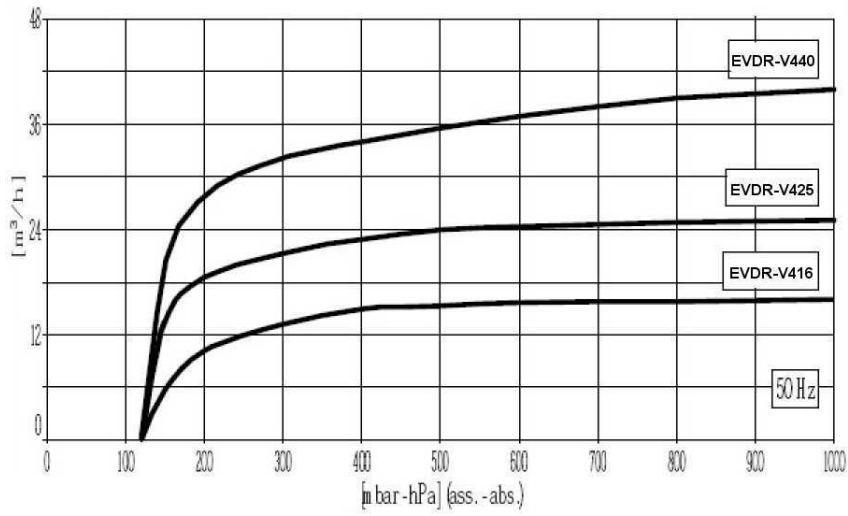
TYPE EVDR-V416

Technical Data		TYPE EVDR-V416	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	16	19
Ultimate vacuum (abs.)	mbar	150	
Vanes		long life carbon vanes	
Cooling type		air cooling	
Power	kW	0,55	0,55
Nominal speed	rpm	1400	1700
Noise level	dB(A)	59	61
Operating temperature*	°C	70 - 73	75 - 80
Ambient temperature	°C	0 - 40	
Weight	kg	24	
Connection	Inlet	G(BSP)	½"

*at ambient temperature 20°C

Ordering Information	TYPE EVDR-V416
	50/60 Hz
Single phase motor 230V, 50/60 Hz (IEC)	641416
Three phase motor 400V, 50Hz (IEC)	643416
Other Voltages/Frequencies	Upon request
Accessories:	
Vacuum limitation valve	640097
Non return valve (vacuum safety valve)	640095
Inlet dust filter with paper cartridge	02800
Spare parts:	
Set of vanes (7 pieces)	640413
Gasket	640322
Maintenance kit	640499
Filter cartridge	640323
Filter pressure spring	640424
Silencer valve	640334

TYPE EVDR-V425



Dimensions	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	TS
EVDR-V425	220	252	353	230	208	240	123	295	243	80	513	555	20	143	192	Ø9	G ³ / ₄

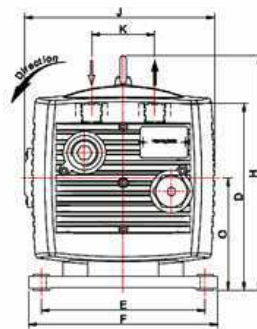
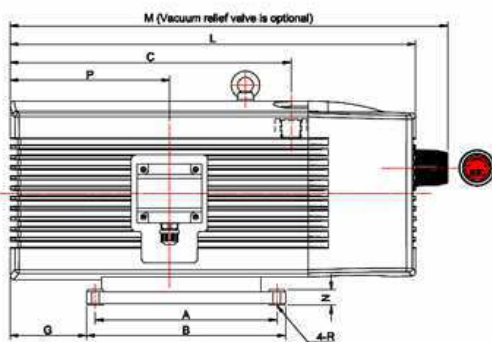
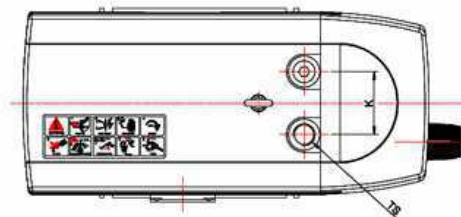
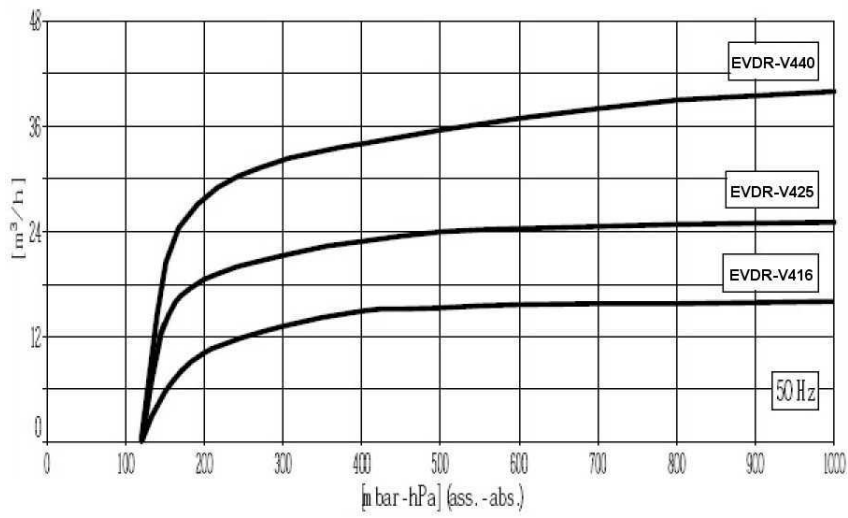
TYPE EVDR-V425

Technical Data		TYPE EVDR-V425	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	25	30
Ultimate vacuum (abs.)	mbar	120	
Vanes		long life carbon vanes	
Cooling type		air cooling	
Power	kW	0,9	0,9
Nominal speed	rpm	1400	1700
Noise level	dB(A)	60	62
Operating temperature*	°C	70 - 73	72 - 75
Ambient temperature	°C	0 - 40	
Weight	kg	32	
Connection	Inlet G(BSP)	3/4"	

*at ambient temperature 20°C

Ordering Information	TYPE EVDR-V425
	50/60 Hz
Single phase motor 230V, 50/60 Hz (IEC)	641425
Three phase motor 400V, 50Hz (IEC)	643425
Other Voltages/Frequencies	Upon request
Accessories:	
Vacuum limitation valve	640097
Non return valve (vacuum safety valve)	640095
Inlet dust filter with paper cartridge	02800
Spare parts:	
Set of vanes (7 pieces)	640513
Gasket	640522
Maintenance kit	640599
Filter cartridge	640523
Filter pressure spring	640524
Silencer valve	640334

TYPE EVDR-V440



Dimensions	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	TS
EVDR-V440	220	252	400	230	208	240	153	295	243	80	570	615	20	143	223	Ø9	G ³ / ₄

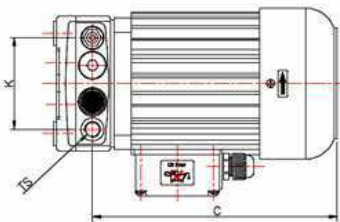
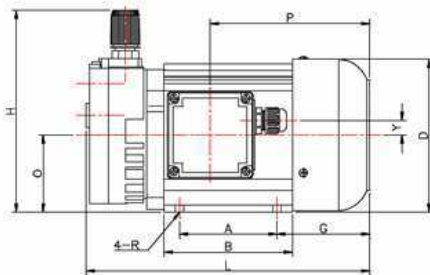
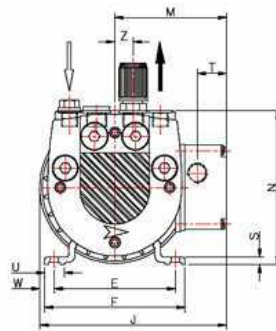
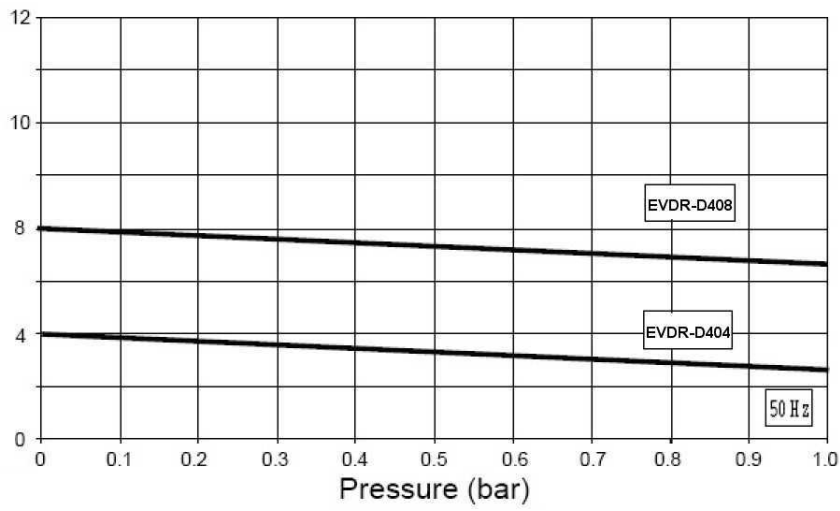
TYPE EVDR-V440

Technical Data		TYPE EVDR-V440	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	40	48
Ultimate vacuum (abs.)	mbar	120	
Vanes		long life carbon vanes	
Cooling type		air cooling	
Power	kW	1,25	1,25
Nominal speed	rpm	1400	1700
Noise level	dB(A)	65	68
Operating temperature*	°C	72 - 78	75 - 80
Ambient temperature	°C	0 - 40	
Weight	kg	38	
Connection	Inlet	G(BSP) 3/4"	

*at ambient temperature 20°C

Ordering Information	TYPE EVDR-V440
	50/60 Hz
Single phase motor 230V, 50/60 Hz (IEC)	641440
Three phase motor 400V, 50Hz (IEC)	643440
Other Voltages/Frequencies	Upon request
Accessories:	
Vacuum limitation valve	640097
Non return valve (vacuum safety valve)	640095
Inlet dust filter with paper cartridge	02800
Spare parts:	
Set of vanes (7 pieces)	640613
Gasket	640522
Maintenance kit	640699
Filter cartridge	640523
Filter pressure spring	640524
Silencer valve	640334

TYPE EVDR-D404



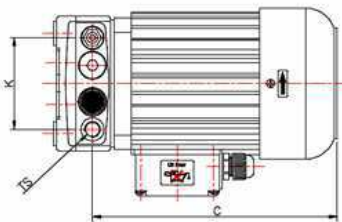
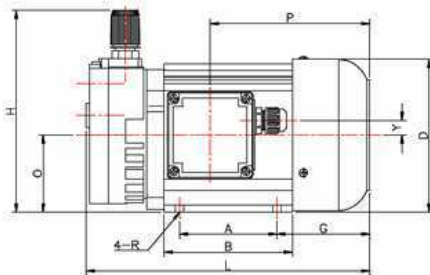
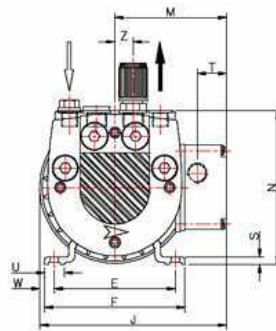
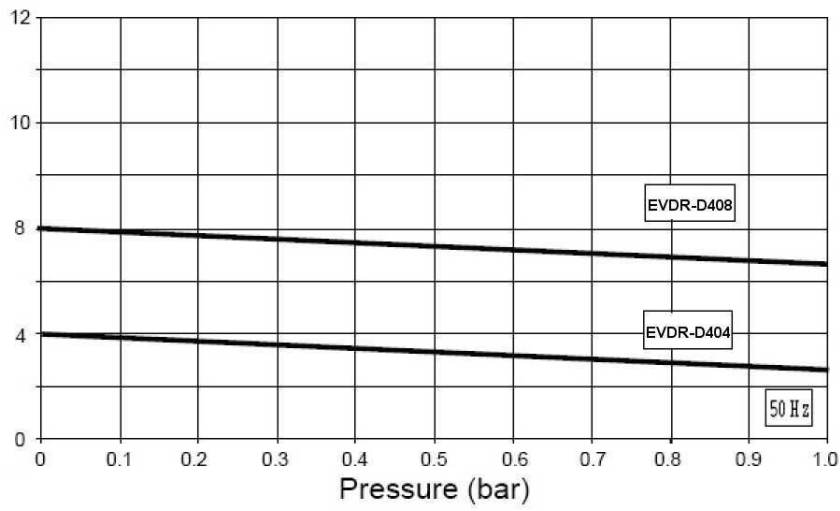
Dimensions	A	B	C	D	E	F	G	H	J	K	L	M
EVDR-D404	80	106	202	125	100	116	77	165	154	75	234	92
	N	O	P	R	S	T	U	W	Y	Z	TS	
	126	63	132	Ø7	6	24	16	12	12	15	G ¼	

TYPE EVDR-D404

Technical Data		TYPE EVDR-D404	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	4,0	4,8
Ultimate pressure	bar(g)	1	
Vanes		long life carbon vanes	
Cooling type		air cooling	
Power	kW	0,18	0,22
Nominal speed	rpm	2800	3100
Noise level	dB(A)	58	61
Inlet air temperature	°C	0 - 40	
Ambient temperature	°C	0 - 40	
Weight	kg	7,5	
Connection	Inlet	G(BSP)	1/4"

Ordering Information	TYPE EVDR-D404
	50/60 Hz
Single phase motor 230V, 50/60 Hz (IEC)	651404
Three phase motor 400V, 50Hz (IEC)	653404
Other Voltages/Frequencies	Upon request
Accessories:	
Inlet dust filter with paper cartridge	01800
Spare parts:	
Set of vanes (5 pieces)	640211
Maintenance kit	640198
Filter cartridge	640122

TYPE EVDR-D408



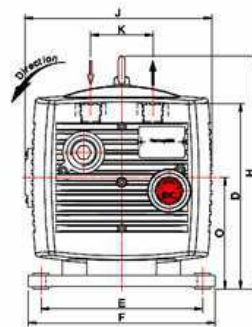
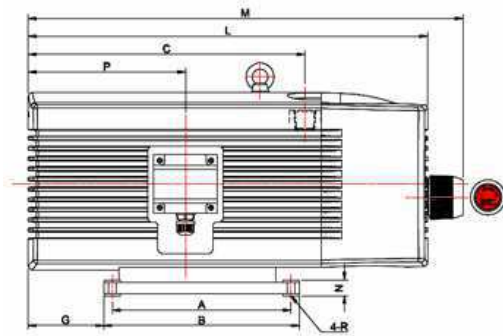
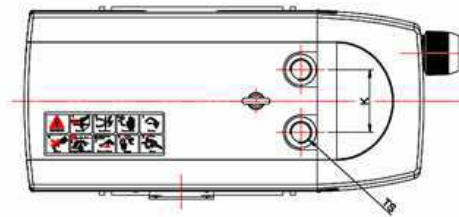
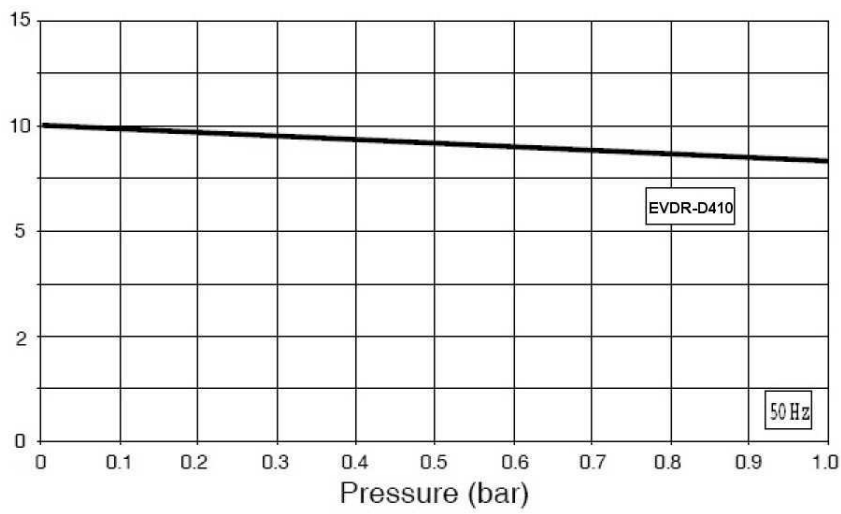
Dimensions	A	B	C	D	E	F	G	H	J	K	L	M
EVDR-D408	80	106	209	125	100	116	77	171,5	155	79	244	93
	N	O	P	R	S	T	U	W	Y	Z	TS	
	133	63	132	Ø7	6	24	16	12	12	15,5	G ^{3/8}	

TYPE EVDR-D408

Technical Data		TYPE EVDR-D408	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	8,0	9,0
Ultimate pressure	bar(g)	1	
Vanes		long life carbon vanes	
Cooling type		air cooling	
Power	kW	0,35	0,42
Nominal speed	rpm	2800	3100
Noise level	dB(A)	58	61
Inlet air temperature	°C	0 - 40	
Ambient temperature	°C	0 - 40	
Weight	kg	12	
Connection	Inlet	G(BSP) 3/8"	

Ordering Information	TYPE EVDR-D408
	50/60 Hz
Single phase motor 230V, 50/60 Hz (IEC)	651408
Three phase motor 400V, 50Hz (IEC)	653408
Other Voltages/Frequencies	Upon request
Accessories:	
Inlet dust filter with paper cartridge	01800
Spare parts:	
Set of vanes (5 pieces)	640211
Maintenance kit	640298
Filter cartridge	640222

TYPE EVDR-D410



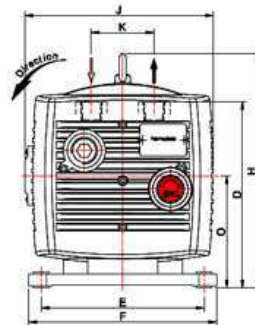
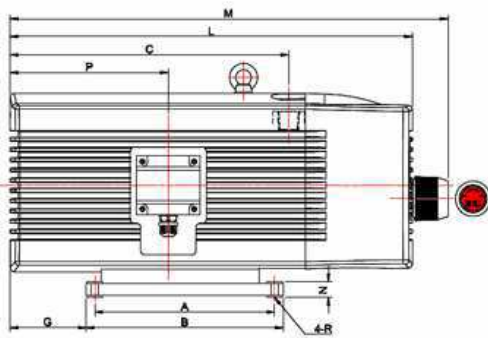
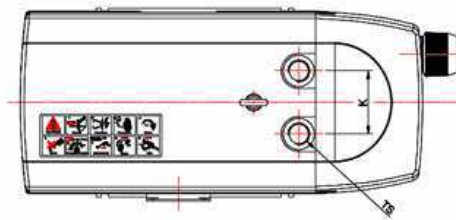
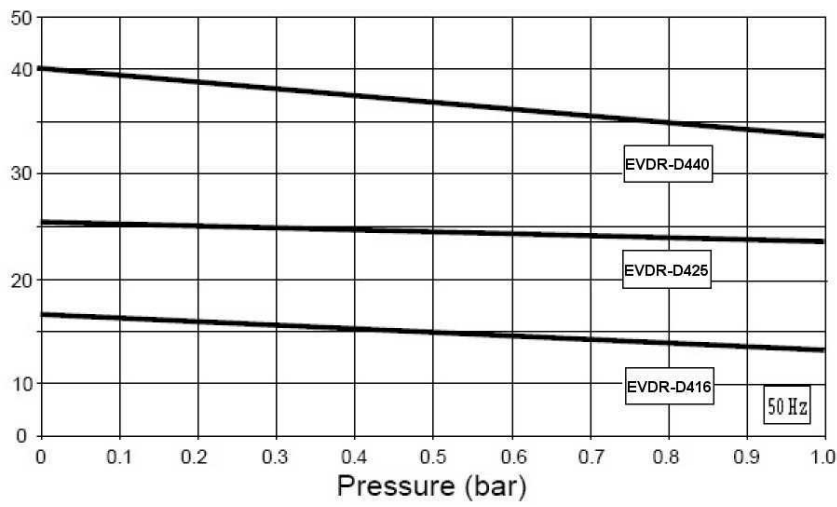
Dimensions	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	TS
EVDR-D410	202	233	308	200	125	157	91	275	232	75	433	470	20	130	167	Ø9	G ½

TYPE EVDR-D410

Technical Data		TYPE EVDR-D410	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	10	12
Ultimate pressure	bar(g)	1	
Vanes		long life carbon vanes	
Cooling type		air cooling	
Power	kW	0,37	0,37
Nominal speed	rpm	1400	1700
Noise level	dB(A)	58	60
Inlet air temperature	°C	0 - 40	
Ambient temperature	°C	0 - 40	
Weight	kg	21	
Connection	Inlet	G(BSP) 1/2"	

Ordering Information	TYPE EVDR-D410
	50/60 Hz
Single phase motor 230V, 50/60 Hz (IEC)	651410
Three phase motor 400V, 50Hz (IEC)	653410
Other Voltages/Frequencies	Upon request
Accessories:	
Pressure relieve valve	640097
Inlet dust filter with paper cartridge	02800
Spare parts:	
Set of vanes (7 pieces)	640313
Gasket	640322
Maintenance kit	640398
Filter cartridge	640323
Filter pressure spring	640324

TYPE EVDR-D416



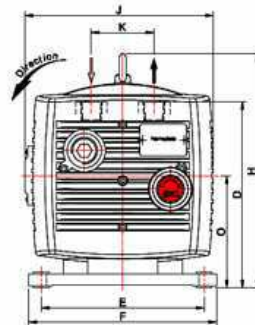
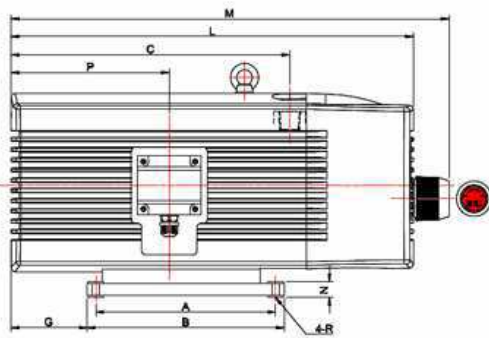
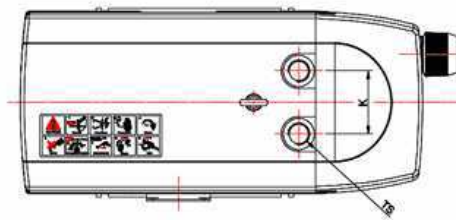
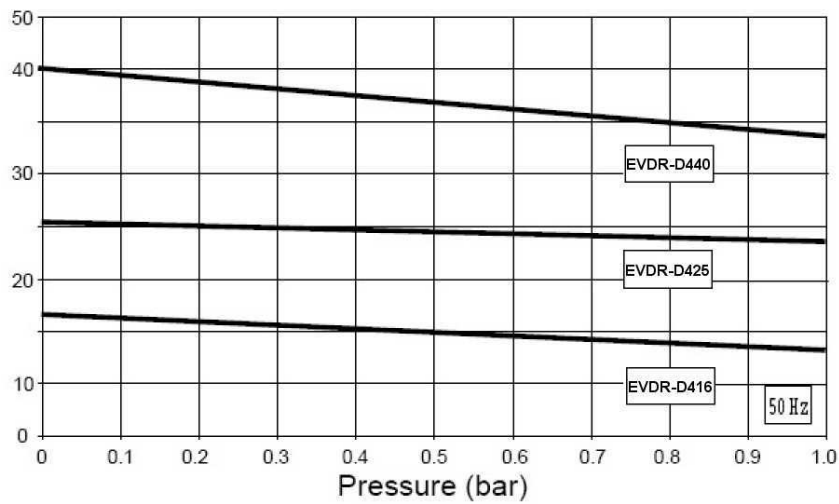
Dimensions	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	TS
EVDR-D416	202	233	327	200	125	157	91	275	232	75	458	495	20	130	167	Ø9	G ½

TYPE EVDR-D416

Technical Data		TYPE EVDR-D416	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	16	19
Ultimate pressure	bar(g)	1	
Vanes		long life carbon vanes	
Cooling type		air cooling	
Power	kW	0,55	0,55
Nominal speed	rpm	1430	1740
Noise level	dB(A)	59	61
Inlet air temperature	°C	0 - 40	
Ambient temperature	°C	0 - 40	
Weight	kg	24	
Connection	Inlet	G(BSP) ½"	

Ordering Information	TYPE EVDR-D416	
	50/60 Hz	
Single phase motor 230V, 50/60 Hz (IEC)	651416	
Three phase motor 400V, 50Hz (IEC)	653416	
Other Voltages/Frequencies	Upon request	
Accessories:		
Pressure relieve valve	640097	
Inlet dust filter with paper cartridge	02800	
Spare parts:		
Set of vanes (7 pieces)	640413	
Gasket	640322	
Maintenance kit	640498	
Filter cartridge	640323	
Filter pressure spring	640424	

TYPE EVDR-D425



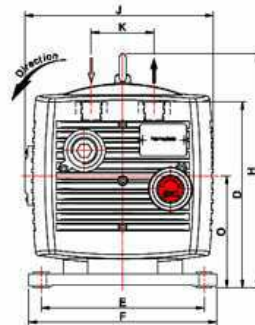
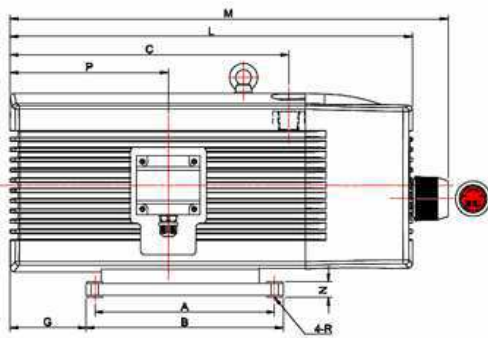
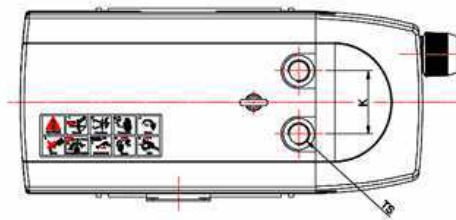
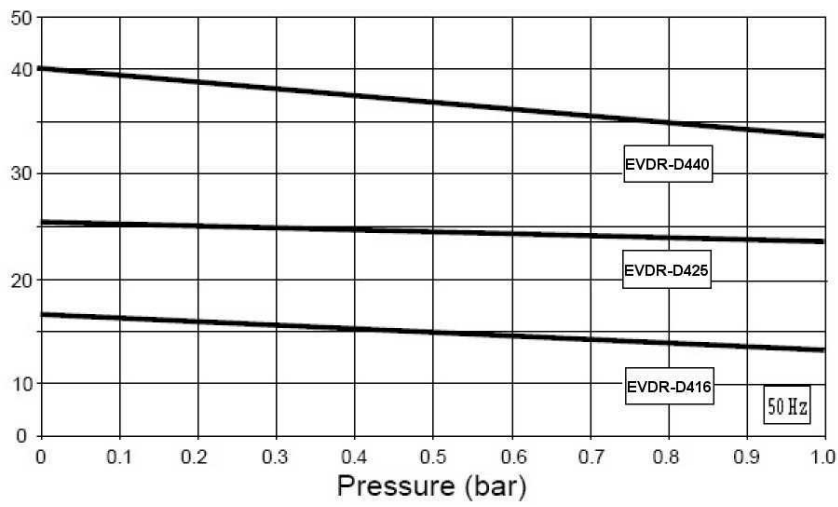
Dimensions	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	TS
EVDR-D425	220	252	353	230	208	240	123	295	243	80	513	560	20	143	192	Ø9	G ³ / ₄

TYPE EVDR-D425

Technical Data		TYPE EVDR-D425	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	25	30
Ultimate pressure	bar(g)	1	
Vanes		long life carbon vanes	
Cooling type		air cooling	
Power	kW	0,9	0,9
Nominal speed	rpm	1420	1740
Noise level	dB(A)	60	62
Inlet air temperature	°C	0 - 40	
Ambient temperature	°C	0 - 40	
Weight	kg	32	
Connection	Inlet	G(BSP) 3/4"	

Ordering Information	TYPE EVDR-D425	
	50/60 Hz	
Single phase motor 230V, 50/60 Hz (IEC)	651425	
Three phase motor 400V, 50Hz (IEC)	653425	
Other Voltages/Frequencies	Upon request	
Accessories:		
Pressure relieve valve	640097	
Inlet dust filter with paper cartridge	02800	
Spare parts:		
Set of vanes (7 pieces)	640513	
Gasket	640522	
Maintenance kit	640598	
Filter cartridge	640523	
Filter pressure spring	640524	

TYPE EVDR-D440



Dimensions	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	TS
EVDR-D440	220	252	400	230	208	240	153	295	243	80	570	620	20	143	223	Ø9	G ³ / ₄

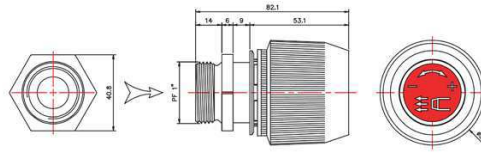
TYPE EVDR-D440

Technical Data		TYPE EVDR-D440	
		50 Hz	60 Hz
Nominal displacement	m ³ /h	40	48
Ultimate pressure	bar(g)	1	
Vanes		long life carbon vanes	
Cooling type		air cooling	
Power	kW	1,25	1,25
Nominal speed	rpm	1420	1740
Noise level	dB(A)	65	68
Inlet air temperature	°C	0 - 40	
Ambient temperature	°C	0 - 40	
Weight	kg	38	
Connection	Inlet	G(BSP) 3/4"	

Ordering Information	TYPE EVDR-D440	
	50/60 Hz	
Single phase motor 230V, 50/60 Hz (IEC)	651440	
Three phase motor 400V, 50Hz (IEC)	653440	
Other Voltages/Frequencies	Upon request	
Accessories:		
Pressure relieve valve	640097	
Inlet dust filter with paper cartridge	02800	
Spare parts:		
Set of vanes (7 pieces)	640613	
Gasket	640522	
Maintenance kit	640698	
Filter cartridge	640523	
Filter pressure spring	640524	

EVDR-Accessories

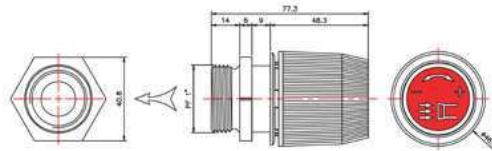
Vacuum Limitation Valve



Vacuum Limitation Valve

With this valve it is possible to control the inlet pressure of the vacuum pump, only for: EVDR-V410 till EVDR-V440

Pressure Relief Valve



Pressure Relief Valve

With this valve it is possible to control the exhaust pressure of the compressor, only for: EVDR-D410 till EVDR-D440

Non Return Valve



Non Return Valve

During standstill of the pump (for example due to shutting down or a power failure) the valve closes the intake. This prevents the pressure from rising in the connected piping or chamber while the pump is vented at the same time. This blocking process operates under all operating conditions (below 800 mbar (600 Torr)).

Only for: EVDR-V410 till EVDR-V440

