UK Office
5 Caulside Drive
Antrim
BT41 2DU
United Kingdom
+44 (0) 28 9448 1808

European Office
Unit 6, Saint Anthony's Business Park
Dublin
D22 VW95
Ireland
+353 (0) 1 4373653

5/4-directional valve, Series 740

- Qn = 700-950 l/min
- Pipe connection
- Compressed air connection output : Ø 8x1 Ø 10x1
- Electrical connection : Plug, EN 175301-803, form A
- Can be assembled into blocks
- Manual override : without detent
- Pilot : internal

Version	Diaphragm poppet valve
Activation	Electrically
Pilot	internal
Sealing principle	Soft sealing
Blocking principle	Plate principle Single base plate principle
Working pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-15 ... 50 °C
Medium temperature min./max.	-15 ... 50 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Nominal flow Qn	See table below
Connector standard	EN 175301-803:2006
Protection class with connection	IP65
Reverse polarity protection	Protected against polarity reversal
Compatibility index	See table below
Duty cycle	100 %
Typ. switch-on time	20 ms
Typ. switch-off time	54 ms
Mounting on manifold strip	PRS strip
Weight	See table below

UK Office
5 Caulside Drive
Antrim
BT41 2DU
United Kingdom
+44 (0) 28 9448 1808

European Office
Unit 6, Saint Anthony's Business Park
Dublin
D22 VW95
Ireland
+353 (0) 1 4373653

Technical data

Part No.		MO	Compressed air connection	Compressed air connection
			Input	Output
5727500220			Ø 8x1	Ø 8x1
5727550220			Ø 10x1	Ø 10x1
5727505280			Ø 8x1	Ø 8x1
5727555280			Ø 10x1	Ø 10x1
5727505302			Ø 8x1	Ø 8x1
5727555302			Ø 10x1	Ø 10x1
5727510220			Ø 8x1	Ø 8x1
5727515280			Ø 8x1	Ø 8x1
5727560920			Ø 10x1	Ø 10x1
5727515302			Ø 8x1	Ø 8x1
5727565280			Ø 10x1	Ø 10x1
5727565302			Ø 10x1	Ø 10x1

Part No.	Compressed air connection	Operationalvoltage	Operationalvoltage
	Exhaust	DC	AC 50 Hz
5727500220	M14x1	24 V	-
5727550220	M14x1	24 V	-
5727505280	M14x1	-	230 V
5727555280	M14x1	-	230 V
5727505302	M14x1	-	-
5727555302	M14x1	-	-
5727510220	M14x1	24 V	-
5727515280	M14x1	-	230 V
5727560920	M14x1	24 V	-
5727515302	M14x1	-	-
5727565280	M14x1	-	230 V
5727565302	M14x1	-	-

Part No.	Operationalvoltage	Voltage tolerance	Voltage tolerance	Voltage tolerance
	AC 60 Hz	DC	AC 50 Hz	AC 60 Hz
5727500220	-	-10% / +10%	-	-
5727550220	-	-10% / +10%	-	-
5727505280	230 V	-	-20% / +10%	-10% / +20%
5727555280	230 V	-	-20% / +10%	-10% / +20%
5727505302	-	-	-	-
5727555302	-	-	-	-
5727510220	-	-10% / +10%	-	-
5727515280	230 V	-	-20% / +10%	-10% / +20%
5727560920	-	-10% / +10%	-	-
5727515302	-	-	-	-
5727565280	230 V	-	-20% / +10%	-10% / +20%
5727565302	-	-	-	-

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5727500220	2,1 W	-	-	-

UK Office
5 Caulside Drive
Antrim
BT41 2DU
United Kingdom
+44 (0) 28 9448 1808

European Office
Unit 6, Saint Anthony's Business Park
Dublin
D22 VW95
Ireland
+353 (0) 1 4373653

Part No.	Power consumption	Holding power	Holding power	Switch-on power
	DC	AC 50 Hz	AC 60 Hz	AC 50 Hz
5727550220	2,1 W	-	-	-
5727505280	-	4,18 VA	3,3 VA	6,6 VA
5727555280	-	4,18 VA	3,3 VA	6,6 VA
5727505302	-	-	-	-
5727555302	-	-	-	-
5727510220	2,1 W	-	-	-
5727515280	-	-	-	-
5727560920	2,1 W	-	-	-
5727515302	-	-	-	-
5727565280	-	-	-	-
5727565302	-	-	-	-

Part No.	Switch-on power	Nominal flow Qn	Compatibility index	With valve plug connector
	AC 60 Hz			
5727500220	-	700 l/min	13 14	With valve plug connector
5727550220	-	950 l/min	13 14	With valve plug connector
5727505280	5,5 VA	700 l/min	14	With valve plug connector
5727555280	5,5 VA	950 l/min	14	With valve plug connector
5727505302	-	700 l/min	14	-
5727555302	-	950 l/min	14	-
5727510220	-	700 l/min	13 14	With valve plug connector
5727515280	-	700 l/min	14	With valve plug connector
5727560920	-	950 l/min	14	Without valve plug connector
5727515302	-	700 l/min	14	-
5727565280	-	950 l/min	14	With valve plug connector
5727565302	-	950 l/min	14	-

Nominal flow Qn at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.
NOTE:In order to ensure the operating function of the valve, do not fall below the minimum operating pressure of 3 bar !

UK Office
5 Caulside Drive
Antrim
BT41 2DU
United Kingdom
+44 (0) 28 9448 1808

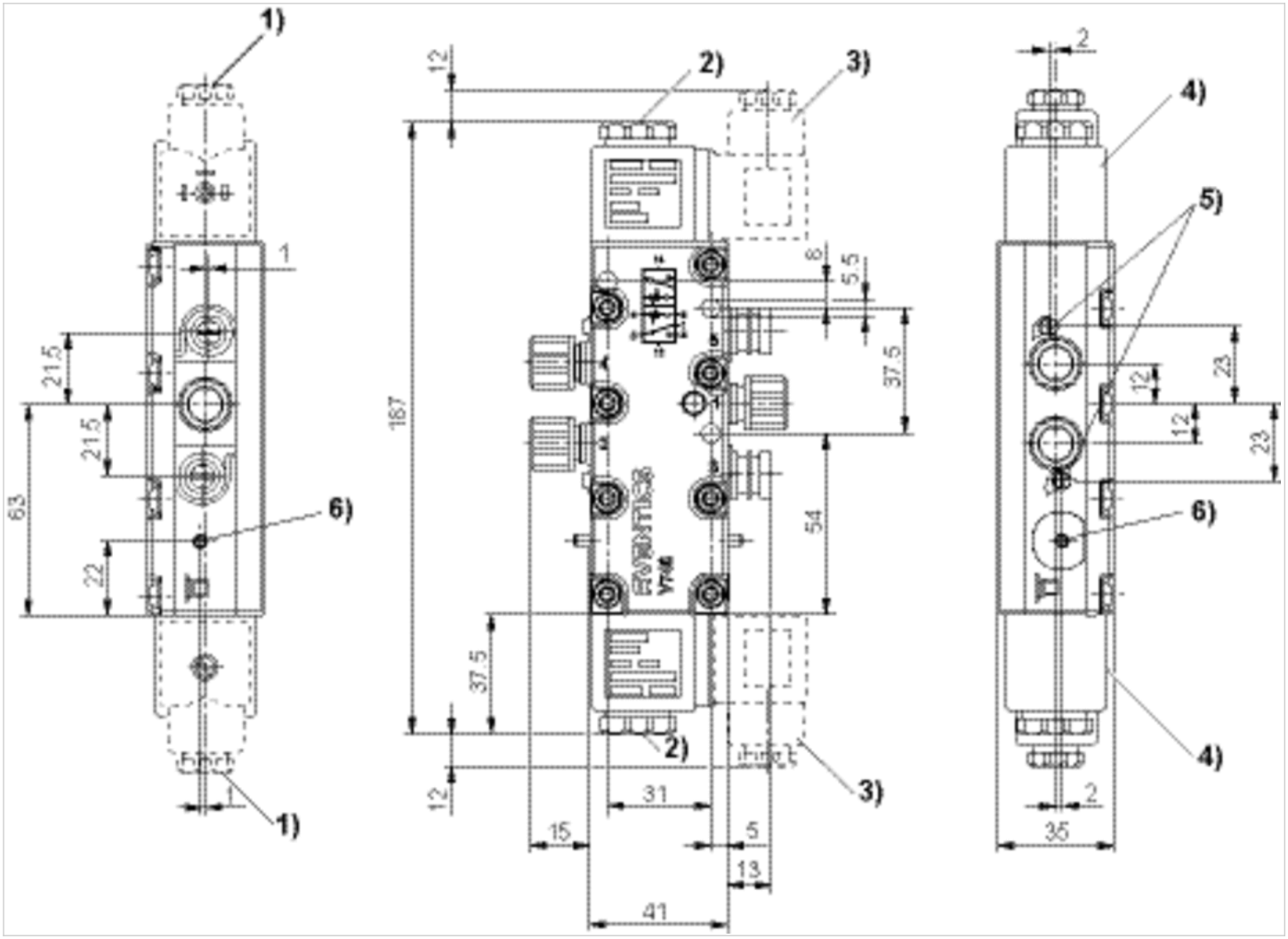
European Office
Unit 6, Saint Anthony's Business Park
Dublin
D22 VW95
Ireland
+353 (0) 1 4373653

Technical information

Material	
Housing	Polyoxymethylene
Seals	Acrylonitrile butadiene rubber

Dimensions

Dimensions Fig. 1

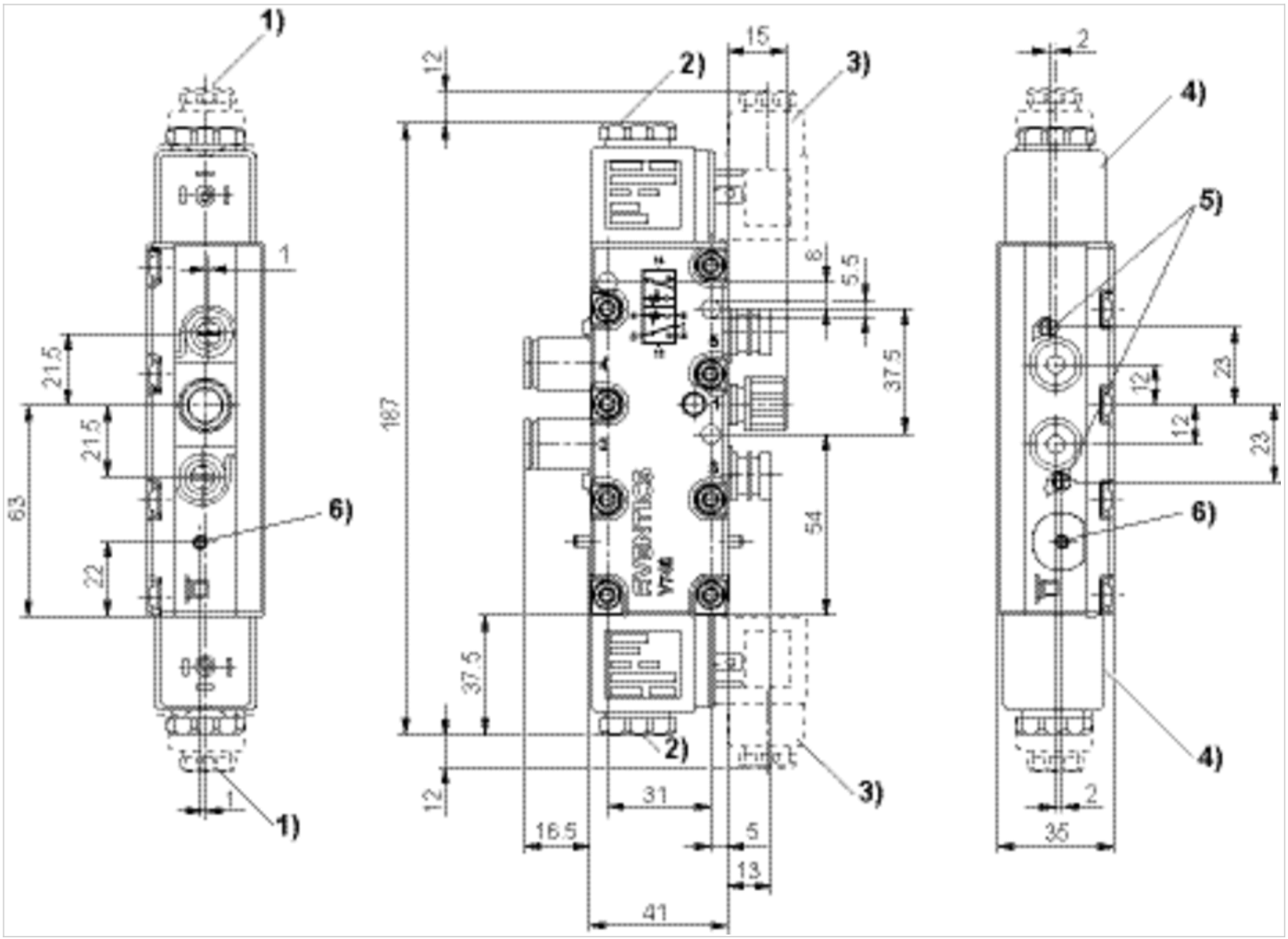


1) gland fitting M16x1,52) M5 internal thread accessible under cap3) el. connector can be fixed at 90° intervals 4) coil can be mounted at 45° intervals 5) throttle screw for exhausts 5 (R) and 3 (S)6) manual override and position indicator

UK Office
5 Caulside Drive
Antrim
BT41 2DU
United Kingdom
+44 (0) 28 9448 1808

European Office
Unit 6, Saint Anthony's Business Park
Dublin
D22 VW95
Ireland
+353 (0) 1 4373653

Dimensions Fig. 2



1) Gland fitting M16x1.52) M5 internal thread accessible under cap3) Valve plug connector can be rotated at 90° intervals4) Coil can be plugged at 45° intervals5) Flow control screw for exhausts 5 (R) and 3 (S)6) Manual override and position indicator