



3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR)



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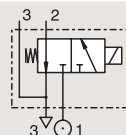
Actuation	Body	Function	Port Size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Max Fluid Temp. (°C)	Page
Direct Operated	Anodized aluminium/ NAMUR	Normally Closed	1/4"	6	680	10	75	302
Pilot Operated	Anodized aluminium/ NAMUR/Spool	Solenoid operated - spring return	1/8"-1/4"	4 to 8	1400	10	80	308
			1/4"	7 to 8	1400	10	80	304
			1/2"	12	3000	10	50	304
		Dual Solenoids	1/8"-1/4"	4	400	10	80	320
			1/4"	7 to 8	1400	10	120	322
			1/2"	12	3000	10	120	324
		W1 closed center position	1/8"-1/4"	4	400	10	80	326
			1/4"	4 to 7	1250	10	120	326
		W3 exhausted in center position	1/4"	7	1250	10	50	328
		Control by Electric Impulse	1/8"-1/4"	4	600	10	80	330
Air Operated	Anodized aluminium/ NAMUR/Poppet	Solenoid operated - spring return	1/8"-1/4"	4	355	10	75	330
	Anodized aluminium/ NAMUR	Air operated - spring return	1/8"-1/4"	4	600	10	80	336
			1/4"	7	1250	10	50	336
			1/2"	12	3000	10	50	336
		Air operated and return	1/4"	7	1250	10	50	336
		W1 closed center position	1/4"	7	1250	10	50	340
			1/4"	7	1250	10	50	340

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3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) DIRECT OPERATED

ANODIZED ALUMINIUM

NAMUR

NORMALLY CLOSED


Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)	DC	Min	Max							AC W	DC W		
BSP	1	Qn l/min	bar	AC bar	DC bar	°C	°C										
1/4"	6	680	0	12	12	-25	75	NBR	131X1101	-	492310	1-21	Ex e mb II T3 to T6	6	6	9.0/10.1	7336
	6	680	0	12	12	-25	75	NBR	131X1101	-	492965.01	0-20	Ex ia IIC T6	-	0.3 to 3	9.0/10.1	7336
	6	680	0	12	12	-25	75	NBR	131X1101	-	496700	1-21	Ex d mb IIC T4 to T6	6	6	9.0/10.1	7336
	6	680	0	12	12	-25	75	NBR	131X1101	-	496895	-	-	8	8	9.0/10.1	7336
	6	680	0	12	12	-25	65	NBR	131X1131 ₁	-	492310	1-21	Ex e mb II T3 to T6	-	6	10.1/10.2	7336
	6	680	0	12	12	-25	65	NBR	131X1131 ₁	-	496700	1-21	Ex d mb IIC T4 to T6	-	6	10.1/10.2	7336
1/4" NPT	6	680	0	12	12	-25	65	NBR	131X1131 ₁	-	496895	-	-	-	8	10.1/10.2	7336
	6	680	0	12	12	-25	75	NBR	U131X1101	-	492965.01	0-20	Ex ia IIC T6	-	0.3 to 3	10.1/10.2	7336
	6	680	0	12	12	-25	65	NBR	U131X1101	-	496700	1-21	Ex d mb IIC T4 to T6	6	6	10.1/10.2	7336
	6	680	0	12	12	-25	65	NBR	U131X1101	-	496895	-	-	8	8	10.1/10.2	7336

Notes:

1.DC voltage only. Minimum drop off voltage is 15% of nominal voltage (former DIN 19251)

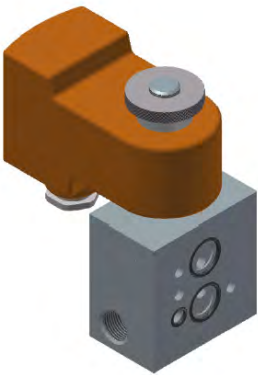
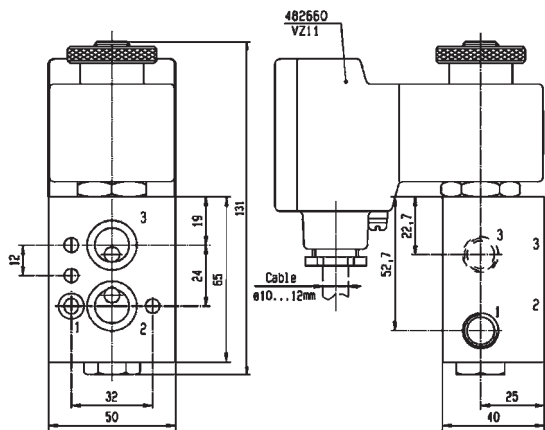
IECEX
certified



UK
CA



For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/4"	6	680	10	-25
To	1/4"	6	680	10	75



Drawing 7336

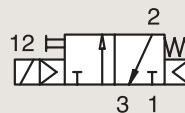
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3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) PILOT OPERATED

ANODIZED ALUMINIUM

NAMUR

SOLENOID OPERATED - SPRING RETURN



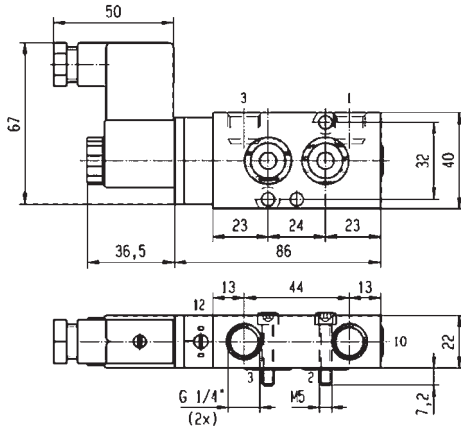
Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)	DC bar	Min	Max							AC W	DC W		
BSP	1	Qn l/min	bar	AC bar	DC bar	°C	°C										
1/4"	7	1250	2.5	10	10	-10	50	NBR	331N03 ₃	-	496131	-	-	3	3	1.2	8056
	7	1250	2.5	10	10	-10	50	NBR	331N03 ₃	-	496482	-	-	3	3	1.2	8056
	7	1250	2.5	10	10	-10	50	NBR	331N03 ₃	-	496637	22	Ex tD A22 IP65 - T95°C	3	3	1.2	8056
1/2"	12	3000	2	10	10	-10	50	NBR	331N04 ₃	-	496131	-	-	3	3	1.2	8060
	12	3000	2	10	10	-10	50	NBR	331N04 ₃	-	496482	-	-	3	3	1.2	8060
	12	3000	2	10	10	-10	50	NBR	331N04 ₃	-	496637	22	Ex tD A22 IP65 - T95°C	3	3	1.2	8060

Notes:

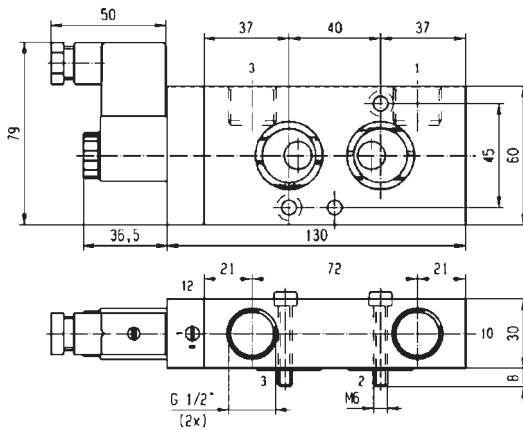
- 1.DC voltage only. Minimum drop off voltage is 15% of nominal voltage (former DIN 19251)
- 2.With captured exhaust
- 3.With manual override



For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/4"	7	1250	10	-10
To	1/2"	12	3000	10	50



Drawing 8056



Drawing 8060

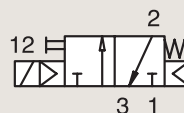
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3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) PILOT OPERATED

ANODIZED ALUMINIUM

NAMUR

SOLENOID OPERATED - SPRING RETURN



Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)	DC bar	Min	Max							AC W	DC W		
BSP	1	Qn l/min	bar	AC bar	DC bar	°C	°C										
1/2"	12	3000	2.5	10	10	-10	50	NBR	331N34 ₃	2995	481865	-	-	8	9	2.1	8210
	12	3000	2.5	10	10	-10	50	NBR	331N34 ₃	2995	495870	2-22	Ex nAC IIC T3/T4	8	9	2.1	8210
	12	3000	2.5	10	10	-10	50	NBR	331N34 ₃	-	495905	1-21	Ex d mb IIC T4	8	8	2.1	8210

Notes:

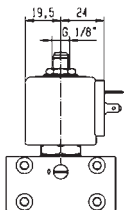
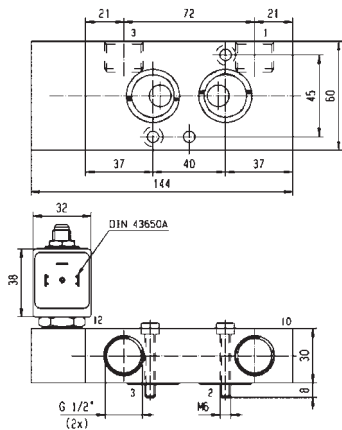
1.DC voltage only. Minimum drop off voltage is 15% of nominal voltage (former DIN 19251)

2.With captured exhaust

3.With manual override

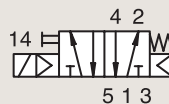


For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/2"	12	3000	10	-10
To	1/2"	12	3000	10	50



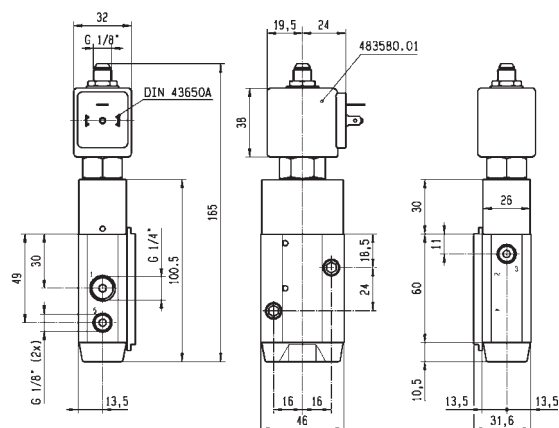
Drawing 8210

ANODIZED ALUMINIUM NAMUR



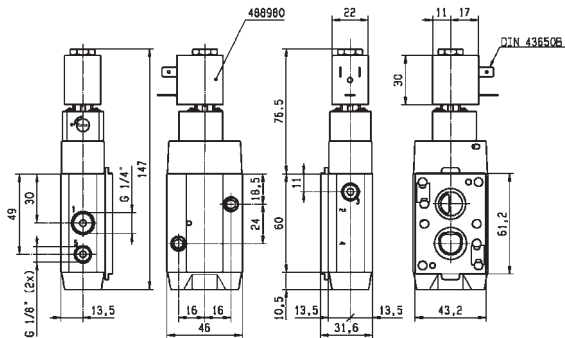
Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal				ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)		Min	Max		Valve Ref.	Housing Ref.	Coil Ref.			AC W	DC W		
	BSP	mm	Qn l/min	bar	AC bar	DC bar	°C	°C									
1/8"-1/4"	4	600	2	10	10	-25	80	NBR	341N01 ₂₃	8993	488980	-	-	2	2.5	1.1	7301
	4	600	2	10	10	-25	80	NBR	341N11 ₂₃	8993	488980	-	-	2	2.5	1.1	7300
	4	600	2	10	10	-25	80	NBR	341N21 ₃	2995	481865	-	-	8	9	2.1	7311
	4	600	2	10	10	-25	80	NBR	341N21 ₃	4270	481000	-	-	8	8	2.1	7311
	4	600	2	-	10	-25	55	NBR	341N2190 ₃	2995	483580.01	0-20	Ex ia IIC T6	-	0.5 to 3	7.0/8.0	7874
	4	600	2	-	10	-25	55	NBR	341N2190 ₃	-	495910	0-20	Ex ia IIC T4 to T6	-	0.3 to 3	7.0/8.0	7874

3. With manual override

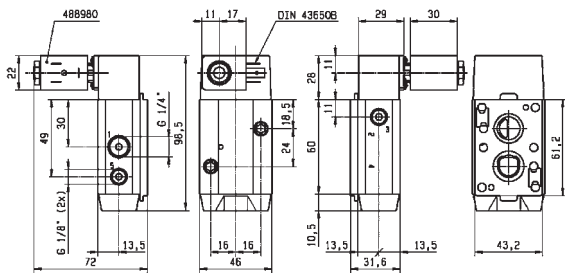




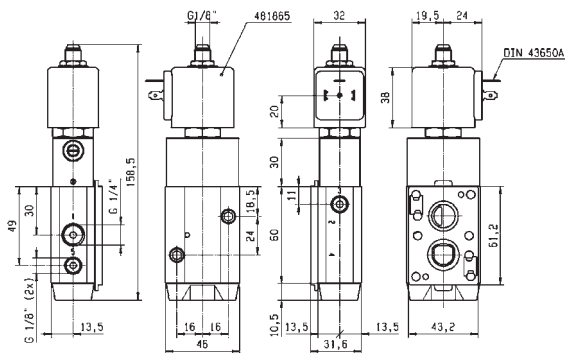
For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/8"-1/4"	4	600	10	-25
To	1/8"-1/4"	4	600	10	80



Drawing 7301



Drawing 7300



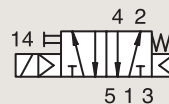
Drawing 7311

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3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) PILOT OPERATED

ANODIZED ALUMINIUM

NAMUR



SOLENOID OPERATED - SPRING RETURN

Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal				ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)		Min	Max		Valve Ref.	Housing Ref.	Coil Ref.			AC W	DC W		
				AC bar	DC bar												
BSP	mm	Qn l/min	bar														
1/8"-1/4"	4	600	2	10	10	-25	80	NBR	341N31 ₃	2995	481865	-	-	8	9	2.1	7295
	4	600	2	10	10	-25	80	NBR	341N31 ₃	2995	495870	2-22	Ex nAC IIC T3/T4	8	9	2.1	7295
	4	600	2	10	10	-25	65	NBR	341N31 ₃	-	495905	1-21	Ex d mb IIC T4	8	8	2.1	7295
	4	600	2	10	10	-25	80	NBR	341N3102	2995	481865	-	-	8	9	2.1	7295
	4	600	2	10	10	-40	65	NBR	341N3108 ₃	2995	481865	-	-	8	9	2.1	7295
	4	600	2	10	10	-40	65	NBR	341N3108 ₃	4270	481000	-	-	8	8	2.1	7295
	4	600	2	10	10	-40	65	NBR	341N3128	2995	481865	-	-	8	9	2.1	7295
	4	600	2	10	10	-40	65	NBR	341N3128	4270	481865	-	-	8	9	2.1	7295
	4	600	2	-	10	-25	80	NBR	341N3130 ₁₃	2995	481865	-	-	-	9	2.1	7295
	4	600	2	-	10	-25	40	NBR	341N3130 ₁₃	-	492190	1-21	Ex e mb IIC T3/T4	-	9	2.1	7295
	4	600	2	-	10	-25	80	NBR	341N3130 ₁₃	-	495905	1-21	Ex d mb IIC T4	-	8	2.1	7295
	4	600	2	-	10	-10	55	NBR	341N3190	2995	483580.01	0-20	Ex ia IIC T6	-	0.5 to 3	7.0	7349
	4	600	2	-	10	-10	75	NBR	341N3190	-	488660.01	0-20	Ex ia IIC T6	-	0.3 to 3	7.0	7349
	4	600	2	-	10	-10	75	NBR	341N3190	-	495910	0-20	Ex ia IIC T4 to T6	-	0.3 to 3	7.0	7349
	4	600	2	-	10	-25	65	NBR	341N3196	2995	482740	-	-	-	1.6	6.0/8.0	8017
	4	600	2	10	10	-25	65	NBR	341N3196	-	495900	1-21	Ex d mb IIC T4 to T6	2.5	2	6.0/8.0	8017
	4	600	2	-	10	-25	65	NBR	341N3196	-	495910	0-20	Ex ia IIC T4 to T6	-	0.3 to 3	6.0/8.0	8017
	4	600	2	-	10	-25	55	NBR	341N3196 ₂₄	2995	483580.01	0-20	Ex ia IIC T6	-	0.5 to 3	6.0/7.0/8.0	8017
	4	600	2	-	10	-25	65	NBR	341N3196	2995	496125	2-22	Ex nAC IIC T5/T6	-	1.6	6.0/8.0	8017
	4	600	2	-	10	-25	65	NBR	341N3197 ₃	2995	482740	-	-	-	1.6	6.0/8.0	8017
	4	600	2	10	10	-25	65	NBR	341N3197 ₃	-	495900	1-21	Ex d mb IIC T4 to T6	2.5	2	6.0/8.0	8017
	4	600	2	-	10	-25	65	NBR	341N3197 ₃	-	495910	0-20	Ex ia IIC T4 to T6	-	0.3 to 3	6.0/8.0	8017
	4	600	2	-	10	-25	65	NBR	341N3197 ₃	2995	496125	2-22	Ex nAC IIC T5/T6	-	1.6	6.0/8.0	8017
	4	600	2	-	10	-25	55	NBR	341N3197 ₃₄	2995	483580.01	0-20	Ex ia IIC T6	-	0.5 to 3	6.0/7.0/8.0	8017

Notes:

- 1.DC voltage only. Minimum drop off voltage is 15% of nominal voltage (former DIN 19251)
- 2.With captured exhaust
- 3.With manual override
4. A minimum current of 65 mA is required with this coil configuration

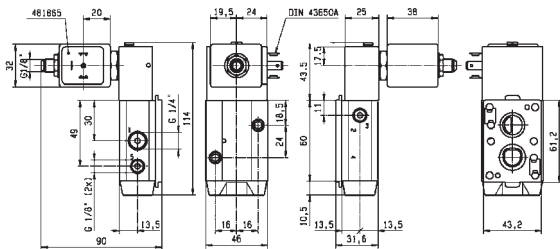
IECEx
certified



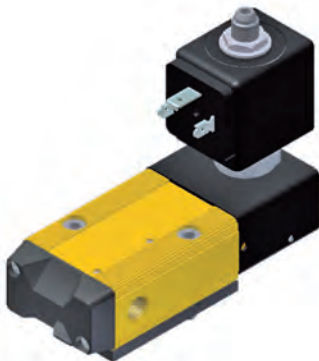
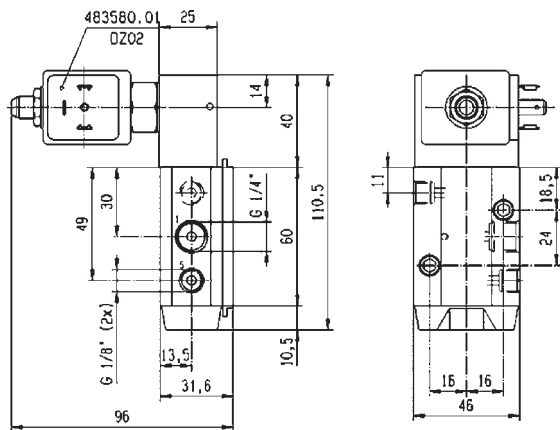
UK
CA



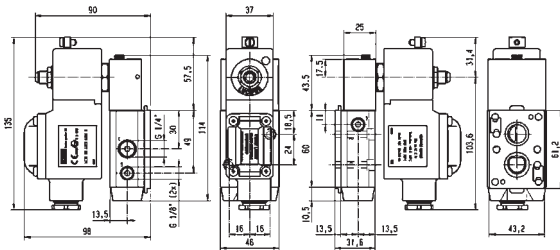
For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/8"-1/4"	4	600	10	-40
To	1/8"-1/4"	4	600	10	80



Drawing 7295



Drawing 7349



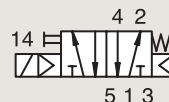
Drawing 8017

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3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) PILOT OPERATED

ANODIZED ALUMINIUM

NAMUR



SOLENOID OPERATED - SPRING RETURN

Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)	DC bar	Min	Max							AC W	DC W		
BSP	mm	Qn l/min	bar	bar	bar	°C	°C										
1/4"	8	1400	2	-	10	-25	55	NBR	341N3290	2995	483580.01	0-20	Ex ia IIC T6	-	0.5 to 3	7.0	7350
	8	1400	2	-	10	-25	75	NBR	341N3290	-	488660.01	0-20	Ex ia IIC T6	-	0.3 to 3	7.0	7350
	8	1400	2	-	10	-25	75	NBR	341N3290	-	495910	0-20	Ex ia IIC T4 to T6	-	0.3 to 3	7.0	7350
	8	1400	2	-	10	-25	65	NBR	341N3296	2995	482740	-	-	-	1.6	6.0/8.0	8029
	8	1400	2	10	10	-25	65	NBR	341N3296	-	495900	1-21	Ex d mb IIC T4 to T6	2.5	2	6.0/8.0	8029
	8	1400	2	-	10	-25	65	NBR	341N3296	-	495910	0-20	Ex ia IIC T4 to T6	-	0.3 to 3	6.0/8.0	8029
	8	1400	2	-	10	-20	80	NBR	341N3296	2995	496125	2-22	Ex nAC IIC T5/T6	-	1.6	6.0/8.0	8029
	8	1400	2	-	10	-20	55	NBR	341N3296 ₂	2995	483580.01	0-20	Ex ia IIC T6	-	0.5 to 3	6.0/7.0/8.0	8029
	8	1400	2	-	10	-25	65	NBR	341N3297 ₁	2995	482740	-	-	-	1.6	6.0/8.0	8029
	8	1400	2	10	10	-25	65	NBR	341N3297 ₁	-	495900	1-21	Ex d mb IIC T4 to T6	2.5	2	6.0/8.0	8029
	8	1400	2	-	10	-25	65	NBR	341N3297 ₁	-	495910	0-20	Ex ia IIC T4 to T6	-	0.3 to 3	6.0/8.0	8029
	8	1400	2	-	10	-20	80	NBR	341N3297 ₁	2995	496125	2-22	Ex nAC IIC T5/T6	-	1.6	6.0/8.0	8029
	8	1400	2	-	10	-20	55	NBR	341N3297 ₁₂	2995	483580.01	0-20	Ex ia IIC T6	-	0.5 to 3	6.0/7.0/8.0	8029
	7	1250	2.5	10	10	-10	50	NBR	341N05 ₁	-	496131	-	-	3	3	1.2	8162
	7	1250	2.5	10	10	-10	50	NBR	341N05 ₁	-	496482	-	-	3	3	1.2	8162
	7	1250	2.5	10	10	-10	50	NBR	341N05 ₁	-	496637	22	Ex tD A22 IP65 - T95°C	3	3	1.2	8162

Notes:

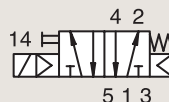
1. With manual override
2. A minimum current of 65 mA is required with this coil configuration

3/2-5/2

3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) PILOT OPERATED

ANODIZED ALUMINIUM

NAMUR

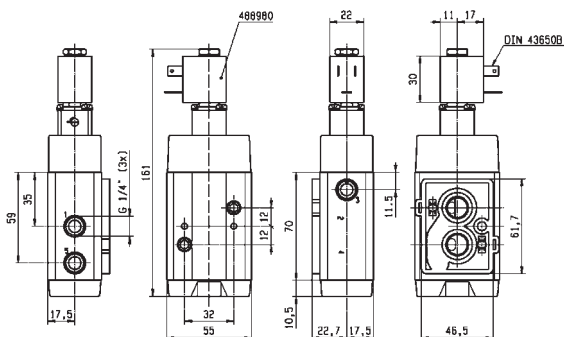


SOLENOID OPERATED - SPRING RETURN

Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal				ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)		Min	Max		Valve Ref.	Housing Ref.	Coil Ref.			AC W	DC W		
BSP	mm	Qn l/min	bar	AC bar	DC bar	°C	°C										
1/4"	7	1200	2.5	10	10	-10	50	NBR	341N0502	-	496131	-	-	3	3	1.2	8253
	7	1200	2.5	10	10	-10	50	NBR	341N0502	-	496482	-	-	3	3	1.2	8253
	7	1200	2.5	10	10	-10	50	NBR	341N35 ₃	2995	481865	-	-	8	9	2.1	8213
	7	1200	2.5	10	10	-10	50	NBR	341N35 ₃	2995	495870	2-22	Ex nAC IIC T3/T4	8	9	2.1	8213
	7	1200	2.5	10	10	-10	50	NBR	341N35 ₃	-	495905	1-21	Ex d mb IIC T4	8	8	2.1	8213
	7	1200	2.5	10	10	-10	50	NBR	341N3502	2995	481865	-	-	8	9	2.1	8254
	7	1200	2.5	10	10	-10	50	NBR	341N3502	4270	481000	-	-	8	8	2.1	8254
	8	1400	2	10	10	-25	80	NBR	341N02 ₂₃	8993	488980	-	-	2	2.5	1.1	7313

Notes:

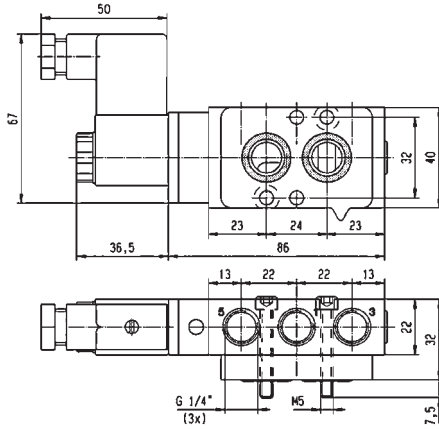
- 1.DC voltage only. Minimum drop off voltage is 15% of nominal voltage (former DIN 19251)
- 2.With captured exhaust
- 3.With manual override



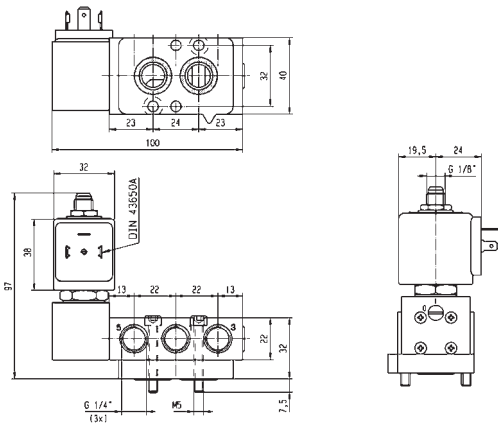
Drawing 7313



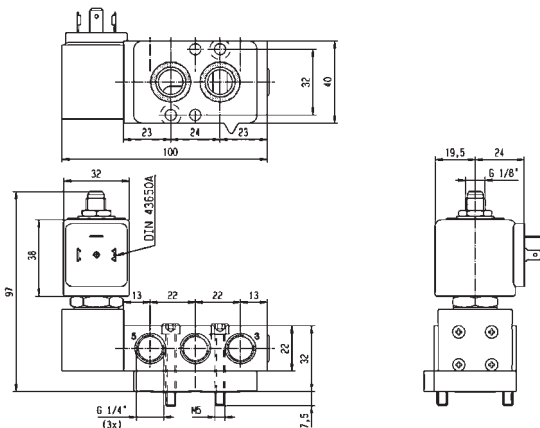
For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/4"	7	1200	10	-25
To	1/4"	8	1400	10	80



Drawing 8253



Drawing 8213



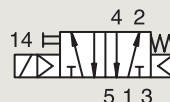
Drawing 8254

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3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) PILOT OPERATED

ANODIZED ALUMINIUM

NAMUR



SOLENOID OPERATED - SPRING RETURN

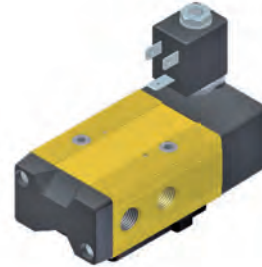
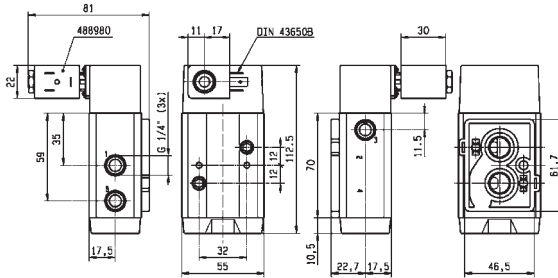
Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max	(MOPD)	Min	Max							AC W	DC W		
BSP	mm	Qn l/min	bar	bar	bar	°C	°C										
1/4"	8	1400	2	10	10	-25	80	NBR	341N12 ₂₃	8993	488980	-	-	2	2.5	1.1	7312
	8	1400	2	10	10	-25	80	NBR	341N22 ₃	2995	481865	-	-	8	9	2.1	7318
	8	1400	2	10	10	-25	80	NBR	341N22 ₃	4270	481000	-	-	8	8	2.1	7318
	8	1400	2	10	10	-25	80	NBR	341N32 ₃	2995	481865	-	-	8	9	2.1	7317
	8	1400	2	10	10	-25	80	NBR	341N32 ₃	2995	495870	2-22	Ex nAC IIC T3/T4	8	9	2.1	7317
	8	1400	2	10	10	-25	80	NBR	341N32 ₃	-	495905	1-21	Ex d mb IIC T4	8	8	2.1	7317
	8	1400	2	10	10	-25	80	NBR	341N3202	2995	481865	-	-	8	9	2.1	7317
	8	1400	2	10	10	-25	80	NBR	341N3202	2995	495870	2-22	Ex nAC IIC T3/T4	8	9	2.1	7317
	8	1400	2	10	10	-25	80	NBR	341N3202	-	495905	1-21	Ex d mb IIC T4	8	8	2.1	7317

Notes:

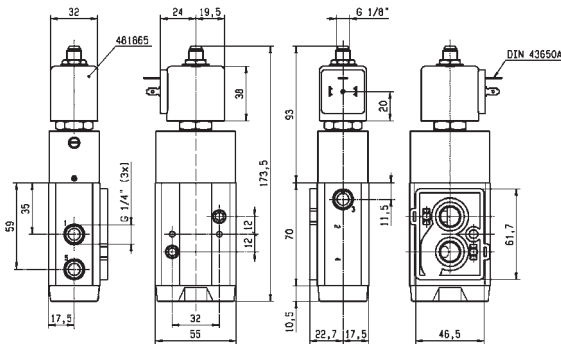
- 1.DC voltage only. Minimum drop off voltage is 15% of nominal voltage (former DIN 19251)
- 2.With captured exhaust
- 3.With manual override



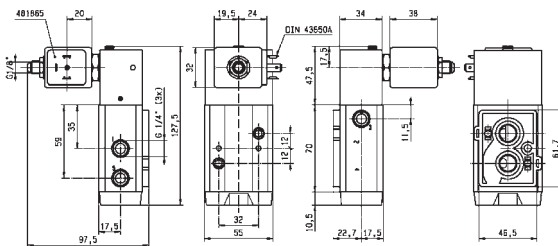
For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/4"	8	1400	10	-25
To	1/4"	8	1400	10	80



Drawing 7312



Drawing 7318



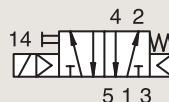
Drawing 7317

5/2

3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) PILOT OPERATED

ANODIZED ALUMINIUM

NAMUR



SOLENOID OPERATED - SPRING RETURN

Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)	DC bar	Min	Max							AC W	DC W		
BSP	1	Qn l/min	bar	AC bar	DC bar	°C	°C										
1/4"	7	1250	2.5	10	10	-20	50	NBR	341N03 ₃	-	496131	-	-	3	3	1.2	8063
	7	1250	2.5	10	10	-20	50	NBR	341N03 ₃	-	496482	-	-	3	3	1.2	8063
	7	1250	2.5	10	10	-20	50	NBR	341N03 ₃	-	496637	22	Ex tD A22 IP65 - T95°C	3	3	1.2	8063
1/2"	12	3000	2	10	10	-10	50	NBR	341N04 ₃	-	496131	-	-	3	3	1.2	8065
	12	3000	2	10	10	-10	50	NBR	341N04 ₃	-	496482	-	-	3	3	1.2	8065
	12	3000	2	10	10	-10	50	NBR	341N04 ₃	-	496637	22	Ex tD A22 IP65 - T95°C	3	3	1.2	8065
	12	3000	2.5	10	10	-20	50	NBR	341N34 ₃	2995	481865	-	-	8	9	2.1	8211
	12	3000	2.5	10	10	-20	50	NBR	341N34 ₃	2995	495870	2-22	Ex nAC IIC T3/T4	8	9	2.1	8211
	12	3000	2.5	10	10	-20	50	NBR	341N34 ₃	-	495905	1-21	Ex d mb IIC T4	8	8	2.1	8211

Notes:

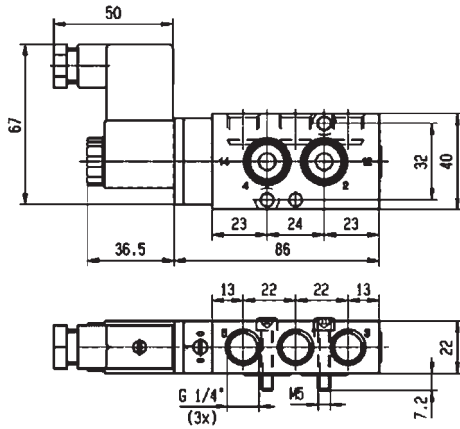
1.DC voltage only. Minimum drop off voltage is 15% of nominal voltage (former DIN 19251)

2.With captured exhaust

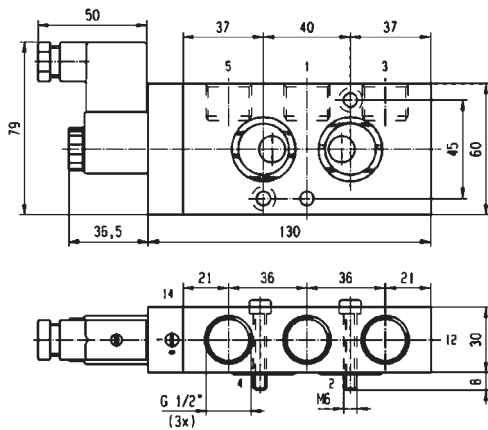
3.With manual override



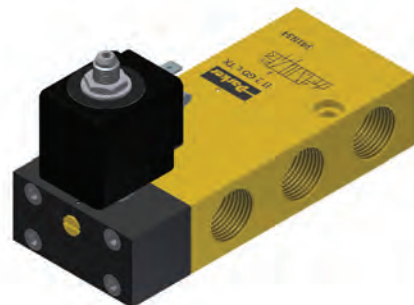
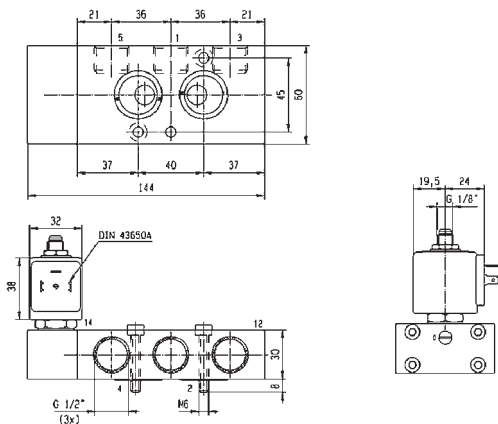
For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/4"	7	1250	10	-10
To	1/2"	12	3000	10	50



Drawing 8063



Drawing 8065



Drawing 8211

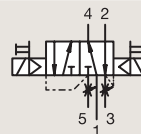
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3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) PILOT OPERATED

ANODIZED ALUMINIUM

NAMUR

DUAL SOLENOIDS



Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)	DC	Min	Max							AC W	DC W		
BSP	mm	Qn l/min	bar	bar	bar	°C	°C										
1/8"-1/4"	4	400	2	10	10	-25	50	NBR	347N11 ₁₂	-	482606	1-21	Ex mb IIC T4/T5	2	2.5	1.1	7305
	4	400	2	10	10	-25	80	NBR	347N11 ₁₂	8993	488980	-	-	2	2.5	1.1	7305
	4	400	2	10	10	-25	80	NBR	347N31 ₂	2995	481865	-	-	8	9	2.1	7297
	4	400	2	10	10	-25	80	NBR	347N31 ₂	2995	495870	2-22	Ex nAC IIC T3/T4	8	9	2.1	7297
	4	400	2	10	10	-25	80	NBR	347N31 ₂	-	495905	1-21	Ex d mb IIC T4	8	8	2.1	7297
	4	400	2	-	10	-25	55	NBR	347N3190	2995	483580.01	0-20	Ex ia IIC T6	-	0.5 to 3	7.0	8141
	4	400	2	-	10	-25	65	NBR	347N3197 ₂	2995	482740	-	-	-	1.6	3.0/6.0/8.0	7297
	4	400	2	10	10	-25	65	NBR	347N3197 ₂	-	495900	1-21	Ex d mb IIC T4 to T6	2.5	2	3.0/6.0/8.0	7297
	4	400	2	-	10	-25	65	NBR	347N3197 ₂	-	495910	0-20	Ex ia IIC T4 to T6	-	0.3 to 3	3.0/6.0/8.0	7297
	4	400	2	-	10	-25	65	NBR	347N3197 ₂	2995	496125	2-22	Ex nAC IIC T5/T6	-	1.6	3.0/6.0/8.0	7297
	4	400	2	-	10	-25	55	NBR	347N3197 ₂₃	2995	483580.01	0-20	Ex ia IIC T6	-	0.5 to 3	6.0/7.0/8.0	7297

Notes:

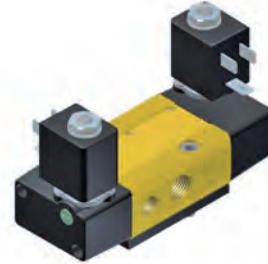
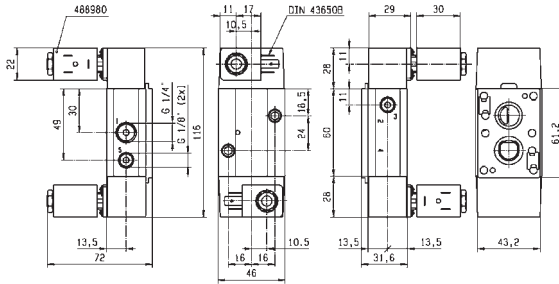
1. With captured exhaust

2. With manual override

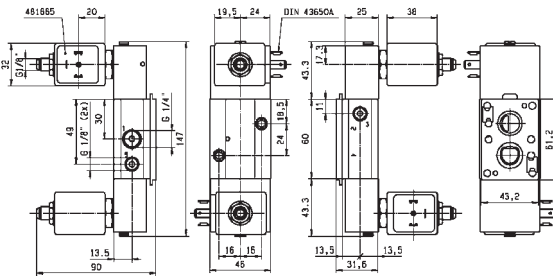
3. A minimum current of 65 mA is required with this coil configuration



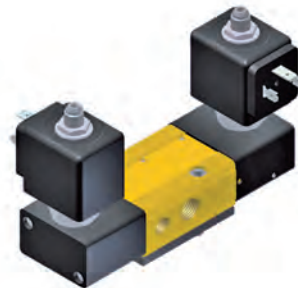
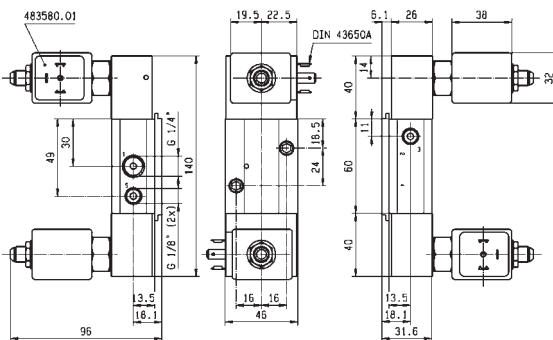
For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/8"-1/4"	4	400	10	-25
To	1/8"-1/4"	4	400	10	80



Drawing 7305



Drawing 7297



Drawing 8141

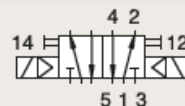
5/2

3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) PILOT OPERATED

ANODIZED ALUMINIUM

NAMUR

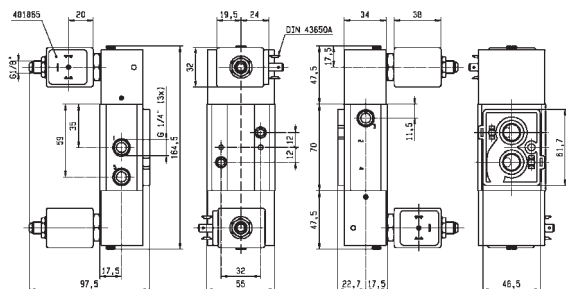
DUAL SOLENOIDS



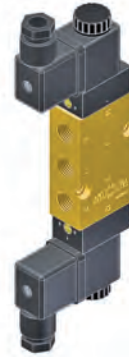
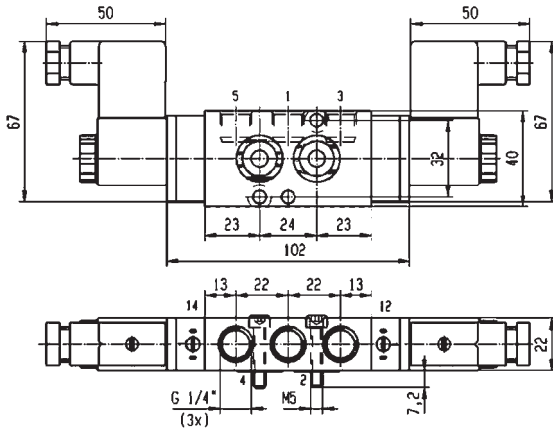
Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal				ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)		Min	Max		Valve Ref.	Housing Ref.	Coil Ref.			AC W	DC W		
BSP	mm	Qn l/min	bar	AC bar	DC bar	°C	°C										
1/4"	7	1250	1.5	10	10	-10	50	NBR	347N03 ₂	-	496131	-	-	3	3	1.2	8057
	7	1250	1.5	10	10	-10	50	NBR	347N03 ₂	-	496482	-	-	3	3	1.2	8057
	7	1250	1.5	10	10	-10	50	NBR	347N03 ₂	-	496637	22	Ex tD A22 IP65 - T95°C	3	3	1.2	8057
	7	1250	2.5	10	10	-10	120	NBR	347N33 ₂	2995	481865	-	-	8	9	2.1	8209
	7	1250	2.5	10	10	-10	120	NBR	347N33 ₂	2995	495870	2-22	Ex nAC IIC T3/T4	8	9	2.1	8209
	7	1250	2.5	10	10	-10	120	NBR	347N33 ₂	-	495905	1-21	Ex d mb IIC T4	8	8	2.1	8209
	8	1400	2	10	10	-10	65	NBR	347N12 ₁₂	-	482606	1-21	Ex mb IIC T4/T5	2	2.5	1.1	7315
	8	1400	2	10	10	-25	80	NBR	347N12 ₁₂	8993	488980	-	-	2	2.5	1.1	7315
	8	1400	2	10	10	-25	80	NBR	347N32 ₂	2995	481865	-	-	8	9	2.1	7320
	8	1400	2	10	10	-25	80	NBR	347N32 ₂	2995	495870	2-22	Ex nAC IIC T3/T4	8	9	2.1	7320
	8	1400	2	10	10	-25	80	NBR	347N32 ₂	-	495905	1-21	Ex d mb IIC T4	8	8	2.1	7320

Notes:

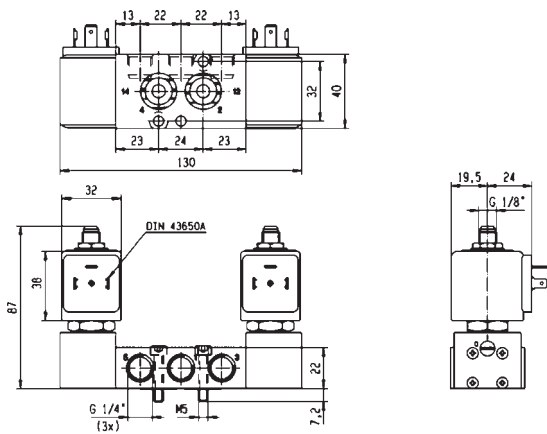
1. With captured exhaust
2. With manual override
3. A minimum current of 65 mA is required with this coil configuration



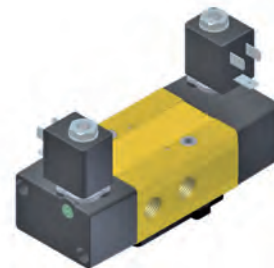
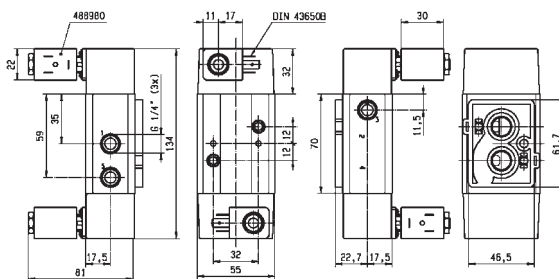
For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/4"	7	1250	10	-25
To	1/4"	8	1400	10	120



Drawing 8057



Drawing 8209



Drawing 7315

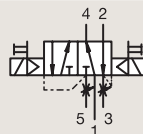
5/2

3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) PILOT OPERATED

ANODIZED ALUMINIUM

NAMUR

DUAL SOLENOIDS



Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)	DC	Min	Max							AC W	DC W		
BSP	mm	Qn l/min	bar	bar	bar	°C	°C										
1/2"	12	3000	1.5	10	10	-10	50	NBR	347N04 ₂	-	496131	-	-	3	3	1.2	8154
	12	3000	1.5	10	10	-10	50	NBR	347N04 ₂	-	496482	-	-	3	3	1.2	8154
	12	3000	1.5	10	10	-10	50	NBR	347N04 ₂	-	496637	22	Ex tD A22 IP65 - T95°C	3	3	1.2	8154
	12	3000	2.5	10	10	-10	120	NBR	347N34 ₂	2995	481865	-	-	8	9	2.1	8212
	12	3000	2.5	10	10	-10	120	NBR	347N34 ₂	2995	495870	2-22	Ex nAC IIC T3/T4	8	9	2.1	8212
	12	3000	2.5	10	10	-10	120	NBR	347N34 ₂	-	495905	1-21	Ex d mb IIC T4	8	8	2.1	8212

Notes:

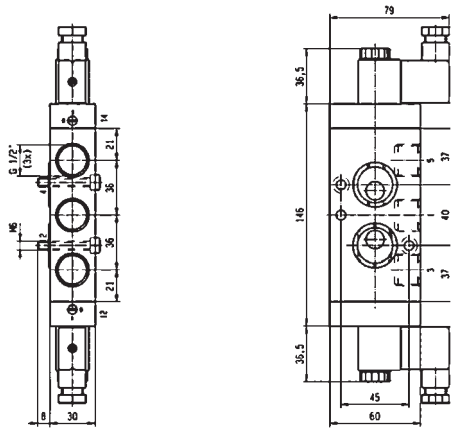
1. With captured exhaust

2. With manual override

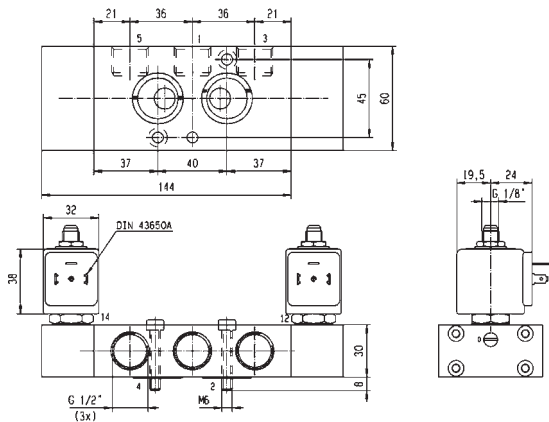
3. A minimum current of 65 mA is required with this coil configuration



For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/2"	12	3000	10	-10
To	1/2"	12	3000	10	120



Drawing 8154



Drawing 8212

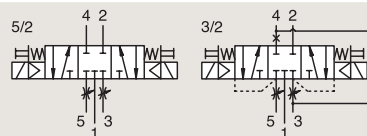
5/3

3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) PILOT OPERATED

ANODIZED ALUMINIUM

NAMUR

W1 CLOSED CENTER POSITION



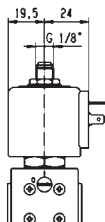
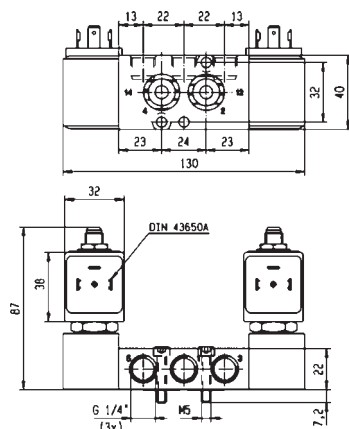
Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)		Min	Max							AC W	DC W		
BSP	mm	Qn l/min	bar	AC bar	DC bar	°C	°C										
1/8"-1/4"	4	400	2	10	10	-25	80	NBR	342N11 ₁₂	-	482606	1-21	Ex mb IIC T4/T5	2	2.5	1.1	7305
	4	400	2	10	10	-25	80	NBR	342N11 ₁₂	8993	488980	-	-	2	2.5	1.1	7305
1/4"	4	400	2	-	10	-10	65	NBR	342N3197 ₂	-	495910	0-20	Ex ia IIC T4 to T6	-	0.3 to 3	6.0/8.0	7297
	4	400	2	-	10	-10	55	NBR	342N3197 ₂₃	2995	483580.01	0-20	Ex ia IIC T6	-	0.5 to 3	6.0/7.0/8.0	7297
	7	1250	3	10	10	-20	50	NBR	342N03 ₂	-	496131	-	-	3	3	1.2	8057
	7	1250	3	10	10	-20	50	NBR	342N03 ₂	-	496482	-	-	3	3	1.2	8057
	7	1250	3	10	10	-10	50	NBR	342N03 ₂	-	496637	22	Ex tD A22 IP65 - T95°C	3	3	1.2	8057
	7	1250	2.5	10	10	-20	50	NBR	342N33 ₂	2995	481865	-	-	8	9	2.1	8209
	7	1250	2.5	10	10	-20	50	NBR	342N33 ₂	2995	495870	2-22	Ex nAC IIC T3/T4	8	9	2.1	8209
	7	1250	2.5	10	10	-20	50	NBR	342N33 ₂	-	495905	1-21	Ex d mb IIC T4	8	8	2.1	8209

Notes:

1. With captured exhaust

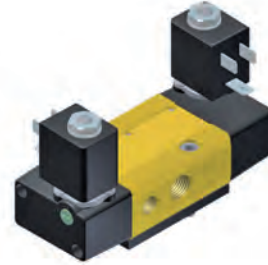
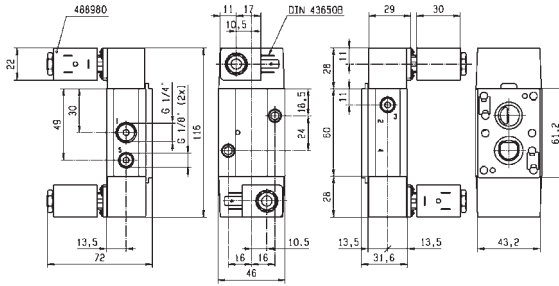
2. With manual override

3. A minimum current of 65 mA is required with this coil configuration

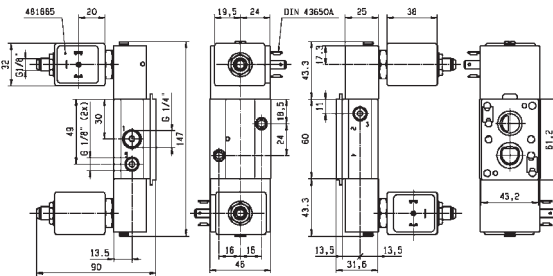


Drawing 8209

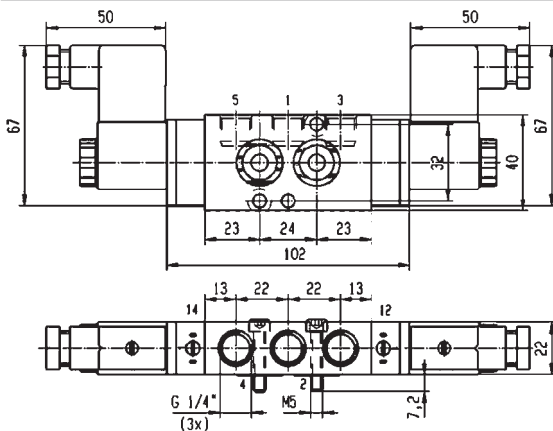
For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/8"-1/4"	4	400	10	-25
To	1/4"	7	1250	10	120



Drawing 7305



Drawing 7297



Drawing 8057

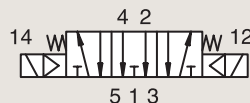
5/3

3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) PILOT OPERATED

ANODIZED ALUMINIUM

NAMUR

W3 EXHAUSTED IN CENTER POSITION



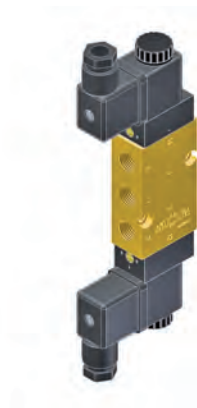
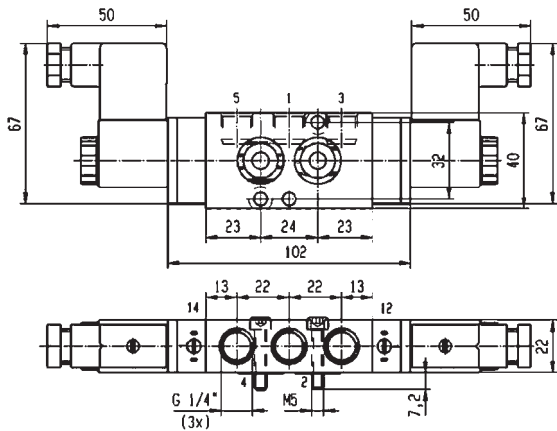
Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)		Min	Max							AC W	DC W		
BSP	1	Qn l/min	bar	AC bar	DC bar	°C	°C										
1/4"	7	1250	3	10	10	-20	50	NBR	343N03 ₁	-	496131	-	-	3	3	1.2	8057
	7	1250	3	10	10	-20	50	NBR	343N03 ₁	-	496482	-	-	3	3	1.2	8057
	7	1250	3	10	10	-10	50	NBR	343N03 ₁	-	496637	22	Ex tD A22 IP65 - T95°C	3	3	1.2	8057

Notes:

1. With manual override



For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/4"	7	1250	10	-10
To	1/4"	7	1250	10	50



Drawing 8057

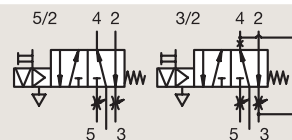
3/2-5/2

3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) PILOT OPERATED

ANODIZED ALUMINIUM

NAMUR

CONTROL BY ELECTRIC IMPULSE



Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)		Min	Max							AC W	DC W		
BSP	mm	Qn l/min	bar	AC bar	DC bar	°C	°C										
1/8"-1/4"	4	600	2	-	10	-25	80	FKM/NBR	345N31 ₁₂	4269	485400	-	-	-	13	4.0	7295

Notes:

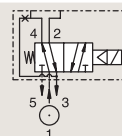
1. Pilot seat in FKM

2. With manual override

ANODIZED ALUMINIUM

NAMUR

SOLENOID OPERATED - SPRING RETURN



Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)		Min	Max							AC W	DC W		
BSP	mm	Qn l/min	bar	AC bar	DC bar	°C	°C										
1/8"-1/4"	4	355	1	10	10	-10	75	NBR	341L9504 ₁₂	-	482605	1-21	Ex mb IIC T4	4	5	1.1	7009
	4	355	1	10	10	-10	75	NBR	341L9504 ₁₂	-	482606	1-21	Ex mb IIC T4/T5	2	2.5	1.1	7009
	4	355	1	10	10	-10	75	NBR	341L9504 ₁₂	8993	488980	-	-	2	2.5	1.1	7009
	4	355	1	10	10	-10	75	NBR	341L9504 ₁₂	8993	495865	2-22	Ex nAC IIC T5	2	2.5	1.1	7009
	4	355	1	10	10	-10	75	NBR	341L9534 ₁₂	2995	481865	-	-	8	9	2.1/7.0	3990
	4	355	1	10	10	-10	75	NBR	341L9534 ₁₂	2995	495870	2-22	Ex nAC IIC T3/T4	8	9	2.1/7.0	3990
	4	355	1	10	10	-10	75	NBR	341L9534 ₁₂	-	495905	1-21	Ex d mb IIC T4	8	8	2.1/7.0	3990

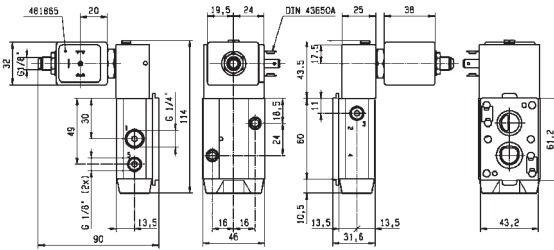
Notes:

1. Pilot seat in FKM

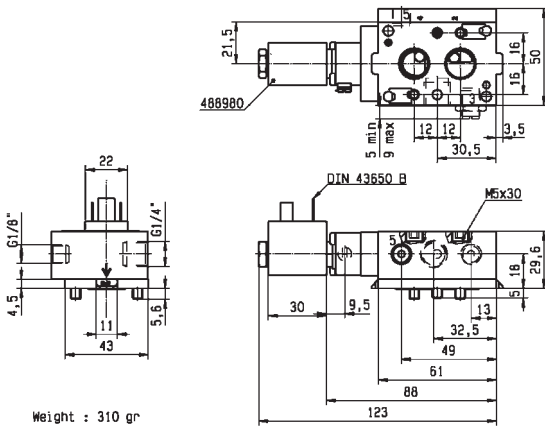
2. With manual override



For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/8"-1/4"	4	355	10	-25
To	1/8"-1/4"	4	600	10	80



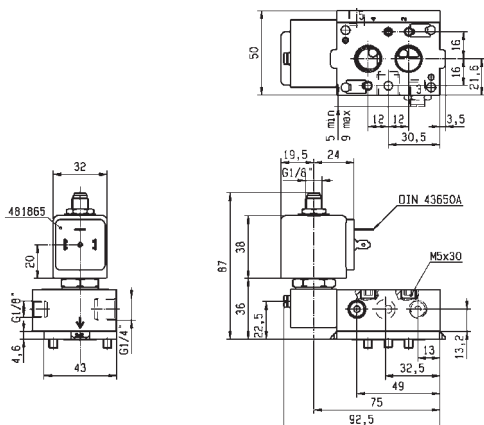
Drawing 7295



Weight : 310 gr



Drawing 7009



Drawing 3990

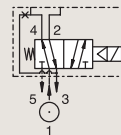
3/2-5/2

3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) PILOT OPERATED

ANODIZED ALUMINIUM

NAMUR

SOLENOID OPERATED - SPRING RETURN



Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)		Min	Max							AC W	DC W		
BSP	1	Qn l/min	bar	AC bar	DC bar	°C	°C										
1/8"-1/4"	4	355	2	-	10	-10	55	NBR	341L9594 ₁	2995	483580.01	0-20	Ex ia IIC T6	-	0.5 to 3	7.0	3992
	4	355	1	-	10	-10	75	NBR	341L9594 ₁	-	495910	0-20	Ex ia IIC T4 to T6	-	0.3 to 3	7.0	3992
	4	355	2	-	10	-10	75	NBR/PUR	341L9597 ₂	2995	482740	-	-	-	1.6	6.0/8.0	8025
	4	355	2	10	10	-10	75	NBR/PUR	341L9597 ₂	-	495900	1-21	Ex d mb IIC T4 to T6	2.5	2	6.0/8.0	8025
	4	355	2	-	10	-10	75	NBR/PUR	341L9597 ₂	-	495910	0-20	Ex ia IIC T4 to T6	-	0.3 to 3	6.0/8.0	8025
	4	355	2	-	10	-10	75	NBR/PUR	341L9597 ₂	2995	496125	2-22	Ex nAC IIC T5/T6	-	1.6	6.0/8.0	8025
	4	355	2	-	10	-25	55	NBR/PUR	341L9598	2995	483580.01	0-20	Ex ia IIC T6	-	0.5 to 3	7.0	3992

Notes:

1. Pilot seat in FKM

2. With manual override

IECEx
certified



UK
CA



For this
page

Port
size

Orifice
(mm)

Qn
(l/min)

MOPD
(bar)

Fluid Temp
(°C)

From

1/8"-1/4"

4

355

10

-25

To

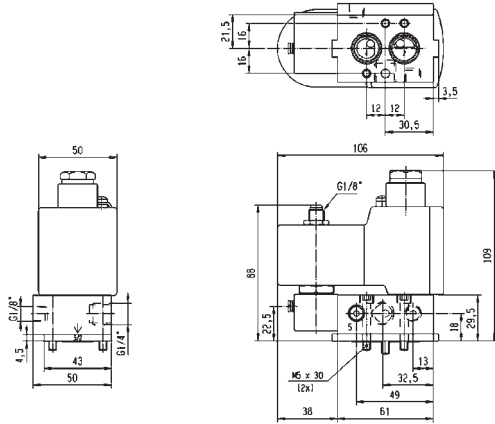
1/8"-1/4"

4

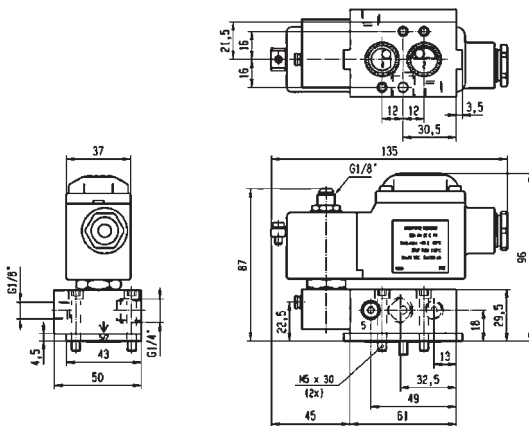
355

10

75



Drawing 3992



Drawing 8025

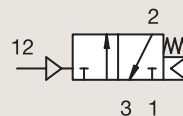
3/2

3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) EXTERNALLY OPERATED

ANODIZED ALUMINIUM

NAMUR

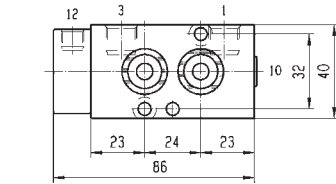
AIR OPERATED - SPRING RETURN



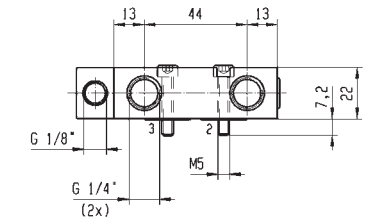
Port size	Orifice Ø 1	Flow factor Qn l/min	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)		Min	Max							AC W	DC W		
BSP	mm		bar	AC bar	DC bar	°C	°C										
1/4"	7	1250	2.5	10	10	-10	50	NBR	531N03	-	-	-	-	-	-	-	8058
1/2"	12	3000	2.5	10	10	-10	50	NBR	531N04	-	-	-	-	-	-	-	8061



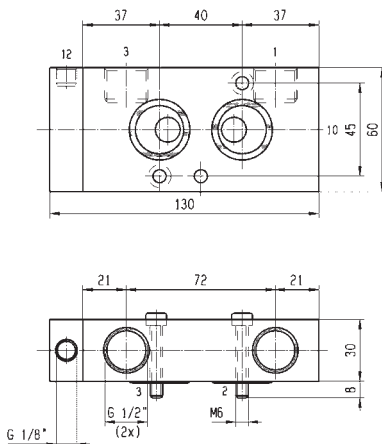
For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/4"	7	1250	10	-10
To	1/2"	12	3000	10	50



Drawing 8058



Drawing 8061

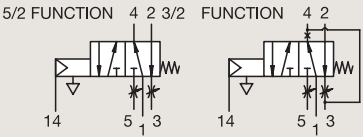


3/2-5/2

3 & 5 WAY PNEUMATIC VALVES
FOR ACTUATOR CONTROL (NAMUR)
EXTERNALLY OPERATED

ANODIZED ALUMINIUM
NAMUR

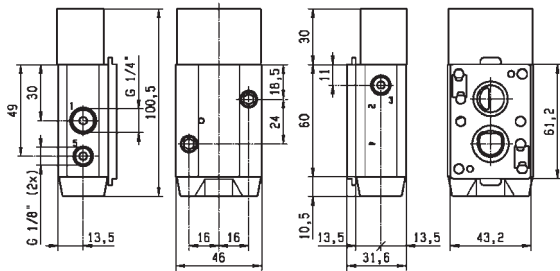
AIR OPERATED - SPRING RETURN



Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)		Min	Max							AC W	DC W		
BSP	mm	Qn l/min	bar	AC bar	DC bar	°C	°C										
1/8"-1/4"	4	600	2	10	10	-40	50	NBR	541N0108	-	-	-	-	-	-	-	7309



For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/8"-1/4"	4	600	10	-40
To	1/8"-1/4"	4	600	10	80



Drawing 7309

5/2

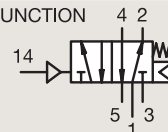
3 & 5 WAY PNEUMATIC VALVES FOR ACTUATOR CONTROL (NAMUR) EXTERNALLY OPERATED

ANODIZED ALUMINIUM

NAMUR

AIR OPERATED - SPRING RETURN

5/2 FUNCTION

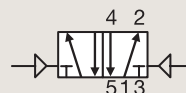


Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)		Min	Max							AC W	DC W		
BSP	mm	Qn l/min	bar	AC bar	DC bar	°C	°C										
1/4"	7	1250	2.5	10	10	-10	50	NBR	541N03	-	-	-	-	-	-	-	8064
1/2"	12	3000	2.5	10	10	-10	50	NBR	541N04	-	-	-	-	-	-	-	8066

ANODIZED ALUMINIUM

NAMUR

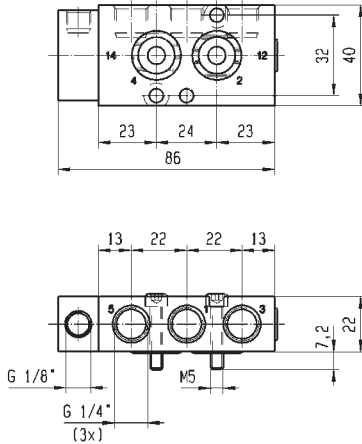
AIR OPERATED AND RETURN



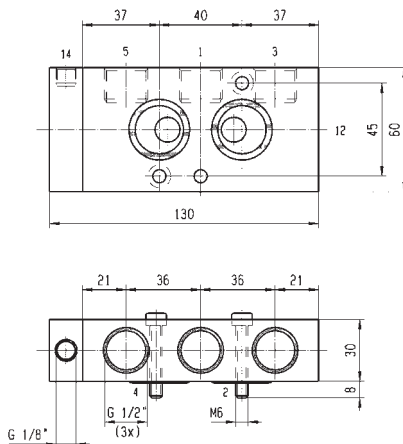
Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)		Min	Max							AC W	DC W		
BSP	mm	Qn l/min	bar	AC bar	DC bar	°C	°C										
1/4"	7	1250	2.5	10	10	-10	50	NBR	547N03	-	-	-	-	-	-	-	8059



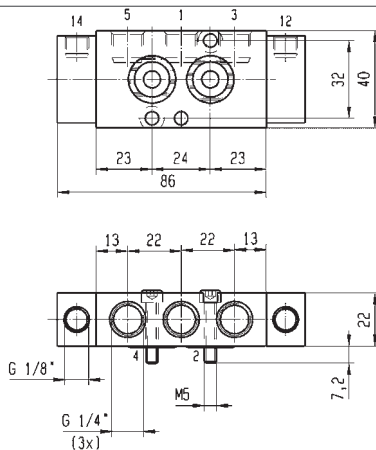
For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/4"	7	1250	10	-10
To	1/2"	12	3000	10	50



Drawing 8064



Drawing 8066



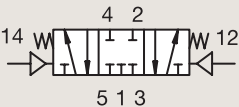
Drawing 8059

5/3

3 & 5 WAY PNEUMATIC VALVES
FOR ACTUATOR CONTROL (NAMUR)
EXTERNALLY OPERATED

ANODIZED ALUMINIUM
NAMUR

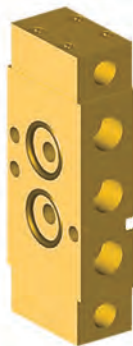
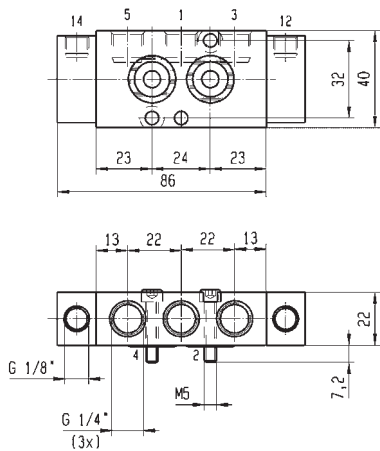
W1 CLOSED CENTER POSITION



Port size	Orifice Ø	Flow factor	Operating Pressure Differential			Fluid Temp.		Seat Seal	Valve Ref.	Housing Ref.	Coil Ref.	ATEX Zone	Protection Mode	Power		Coil Group	Dwg. No.
			Min	Max (MOPD)		Min	Max							AC W	DC W		
BSP	mm	Qn l/min	bar	AC bar	DC bar	°C	°C										
1/4"	7	1250	2.5	10	10	-10	50	NBR	542N03	-	-	-	-	-	-	-	8059



For this page	Port size	Orifice (mm)	Qn (l/min)	MOPD (bar)	Fluid Temp (°C)
From	1/4"	7	1250	10	-10
To	1/4"	7	1250	10	50



Drawing 8059