

316 St. Steel valves for chemical, petrochemical and offshore applications

ACTUATION	CONNECTION	ORIFICE (MM)	MAX. PRESSURE (BAR)	PAGE
Direct operated	1/4	2.5 to 5.0	1000.0	274/278
	3/8	5.0	1000.0	282
	SB	2.5	1400.0	276/278
Direct operated with manual reset	1/4	5.0	1000.0	274/280
	3/8	5.0	1000.0	274/276

Notes:

316 St. Steel valves for chemical, petrochemical and offshore applications

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Applications

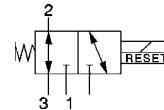
Directional control and fail/safe function in valve actuator circuits in corrosive and hazardous environment.

Solenoid pilots for main stage valves in corrosive and hazardous locations.



Port size NPT	Orifice (mm)	Flow factors (L/min) Qn	Admissible differential pressure kPa		Fluid temp. °C	Admissible ambient temp. °C	Seat disc	Reference numbers		Power consumption (W)		Degree of protection Ex	El. Part Group *	Dim ref.
			Min	Max				Valve reference no.	Coil	DC	AC			

Direct operated with manual
reset



316L Stainless Steel body/Pipe mounting

1/4	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR	U033X51561D	¹	483270	²	8	8	EEx d IIC T4/T5/T6	11	7030
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR			483270.02	²	8	8	EEx d IIC T5	11	
	5	680	0	1000	-	-25 to +65	-25 to +65	NBR	U033X5156	¹	482870.01	²	0.8	-	EEx ia IIC T6	12	7771
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR			492310	²	6	6	EEx me II T4(T5)	12	
3/8	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR	U033X52561D	¹	483270	²	8	8	EEx d II C T4(T6)	11	7672
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR			483270.02	²	8	8	EEx d II C T4(T6)	11	

Table continued on page 276

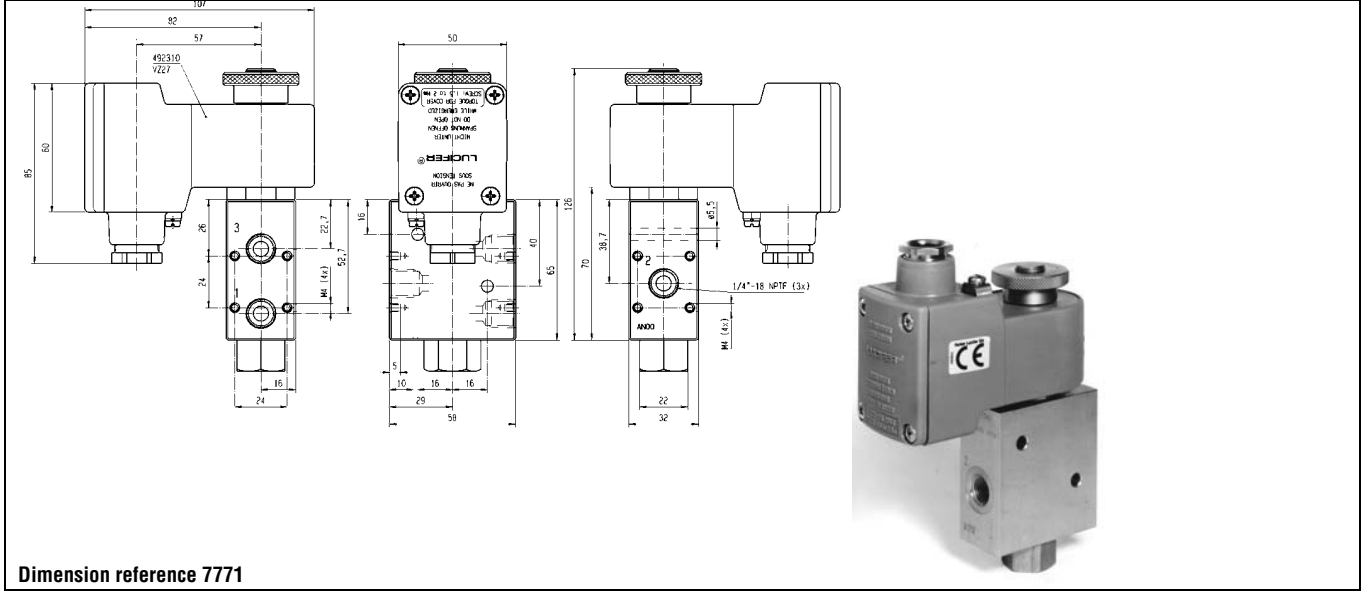
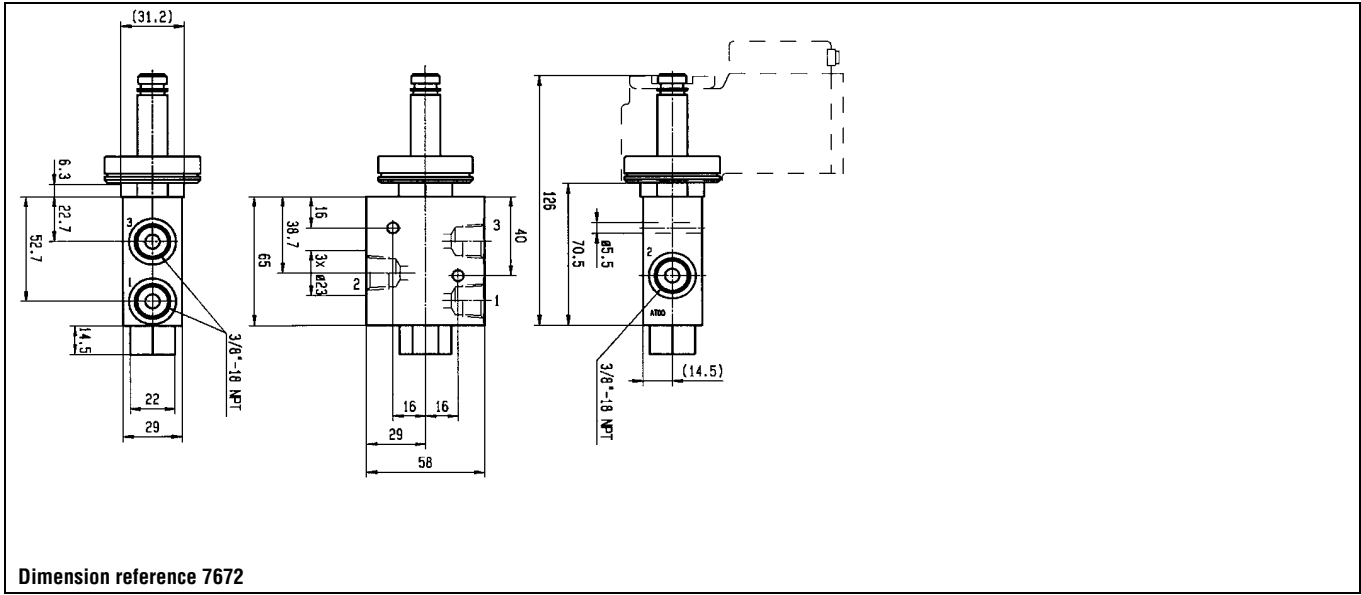
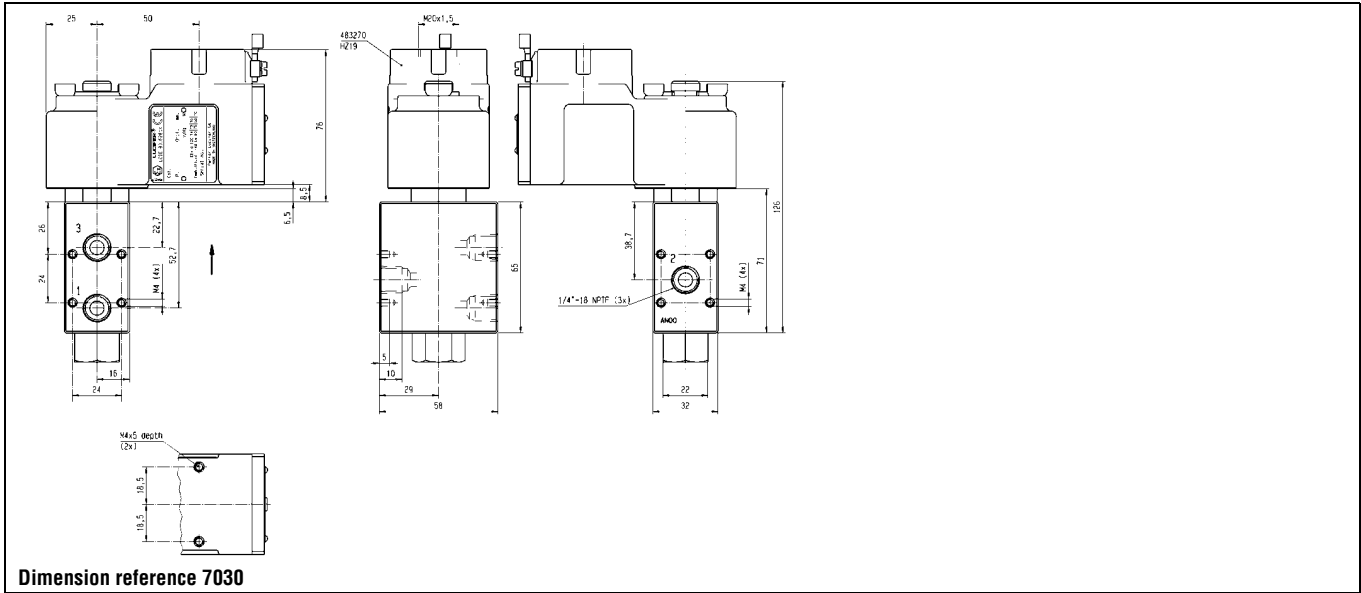
Notes:

* See Electrical Parts Group table at end of section

1. With manual reset

2. Valve with NPT ports

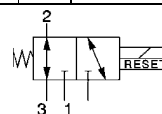
316 St. Steel valves for chemical, petrochemical and offshore applications



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Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure kPa			Fluid temp. °C	Admissible ambient temp. °C	Seat disc	Reference numbers		Power consumption (W)		Degree of protection Ex	El. Part Group *	Dim ref.
			Min	Max	AC				Valve reference no.	Coil	DC	AC			
NPT		Qn													

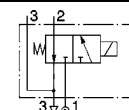
Direct operated with manual reset



316L Stainless Steel body/Pipe mounting

3/8	5	680	0	1000	-	-25 to +65	-25 to +65	NBR	U033X5256	1	482870.01	2	0.8	-	EEx ia IIC T6	12	7671
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR			492310	2	6	6	EEx me II T4(T5)	12	

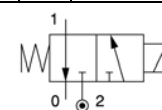
Direct operated



316L Stainless Steel body/NAMUR interface

3/8	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR	U131X1201	2	492965.01	0.8	-	EEx ia IIC T6	9,10	7668
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR			492310	6	6	EEx me II T4(T5)	9,10	

Direct operated



316L Stainless Steel body/Sub-base mounting

SB	2.5	220	0	1000	-	-25 to +65	-25 to +50	FKM	U131F5695	2	492965.01	0.8	-	EEx ia IIC T6	10	85
	2.5	220	0	1000	1000	-25 to +75	-25 to +50	FKM			492310	6	6	EEx me II T4(T5)	10	

Table continued on page 278

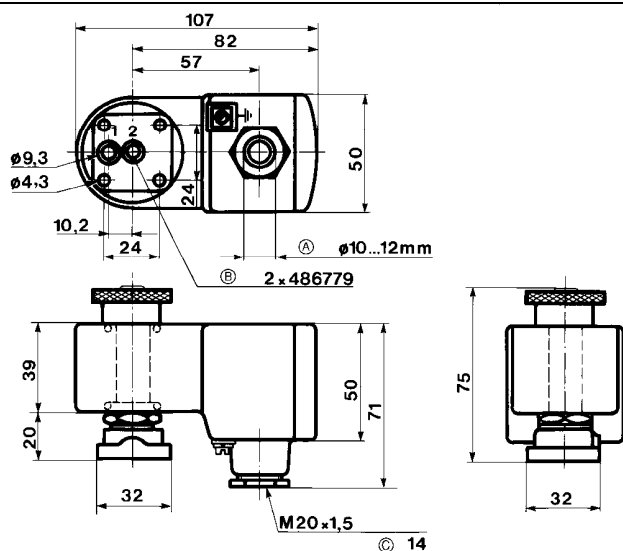
Notes:

* See Electrical Parts Group table at end of section

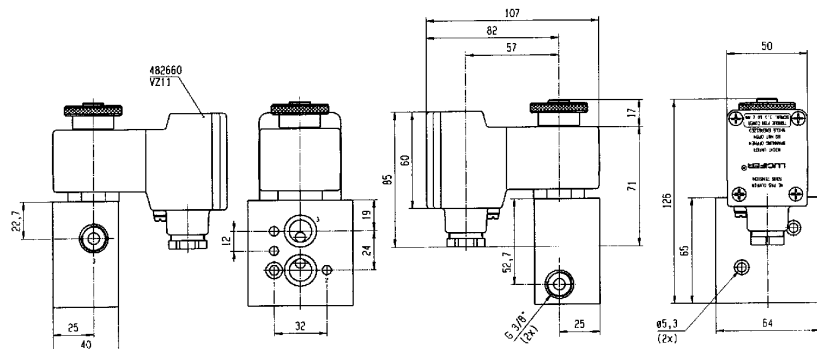
1. With manual reset

2. Valve with NPT ports

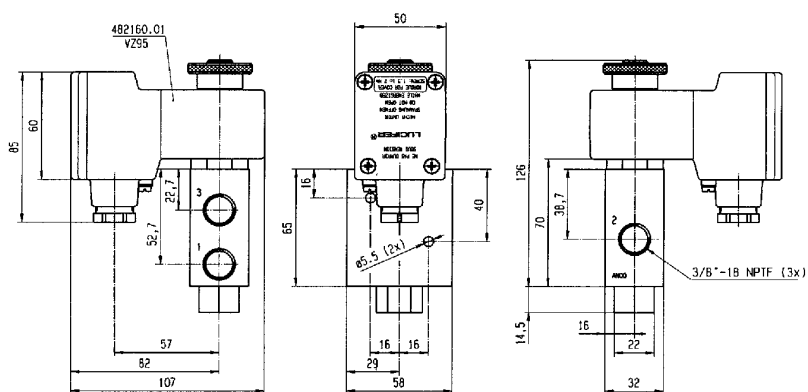
316 St. Steel valves for chemical, petrochemical and offshore applications



Dimension reference 85



Dimension reference 7668

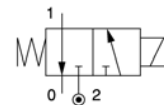


Dimension reference 7671

316 St. Steel valves for chemical, petrochemical and offshore applications

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure kPa			Fluid temp. °C	Admissible ambient temp. °C	Seat disc	Reference numbers		Power consumption (W)		Degree of protection Ex	El. Part Group *	Dim ref.
			Min	Max	AC				Valve reference no.	Coil	DC	AC			
NPT		Qn													

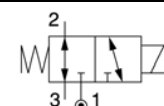
Direct operated



316L Stainless Steel body/Sub-base mounting

SB	2.5	220	0	1400	1400	-25 to +80	-25 to +50	FKM	U131F56951D ¹	483270	8	8	EEx d IIC T5	11	3783
	2.5	220	0	1400	1400	-25 to +80	-25 to +50	FKM		483270.02	8	8	EEx d IIC T5	11	

Direct operated



316L Stainless Steel body/Pipe mounting

1/4	2.5	220	0	850	-	-25 to +75	-25 to +50	FKM	U133V5695 ¹	492965.01 ²	0.8	-	EEx ia IIC T6	10	86
	2.5	220	0	850	850	-25 to +75	-25 to +50	FKM		492310 ³	6	6	EEx me II T4(T5)	10	
	2.5	220	0	850	850	-25 to +75	-25 to +50	FKM	U133V56951D ¹	483270	8	8	EEx d IIC T5	11	6714
	2.5	220	0	850	850	-25 to +75	-25 to +50	FKM		483270.02	8	8	EEx d IIC T5	11	

Table continued on page 280

Notes:

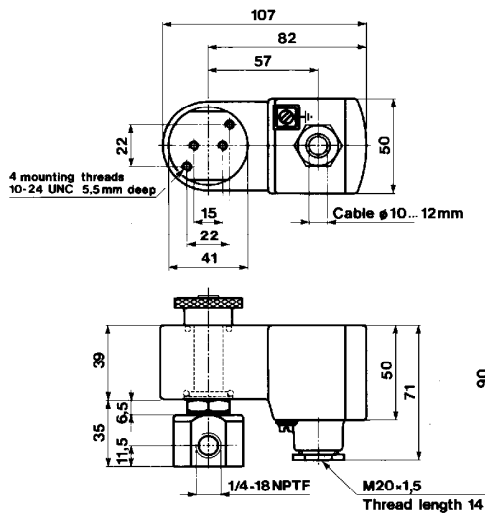
* See Electrical Parts Group table at end of section

1. Valve with NPT ports

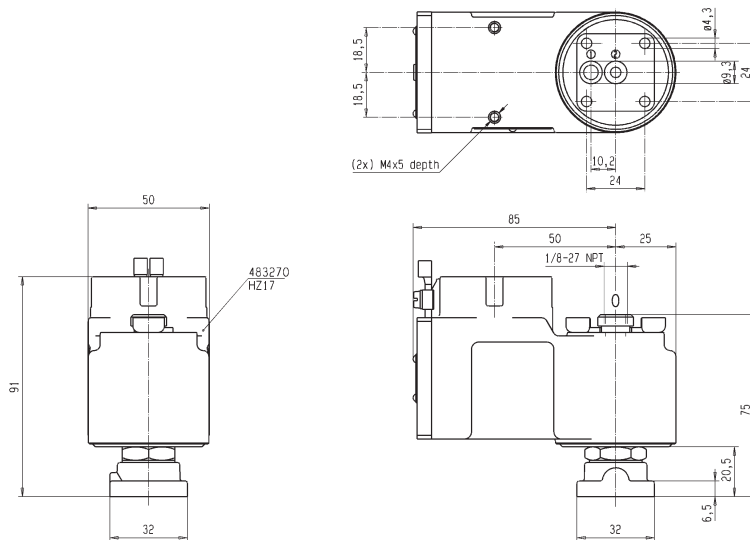
2. Max. power consumption DC = 1 W with connected cable length max. 4 km (2 km back and forth), section 1 mm²

3. Other coil-housing available

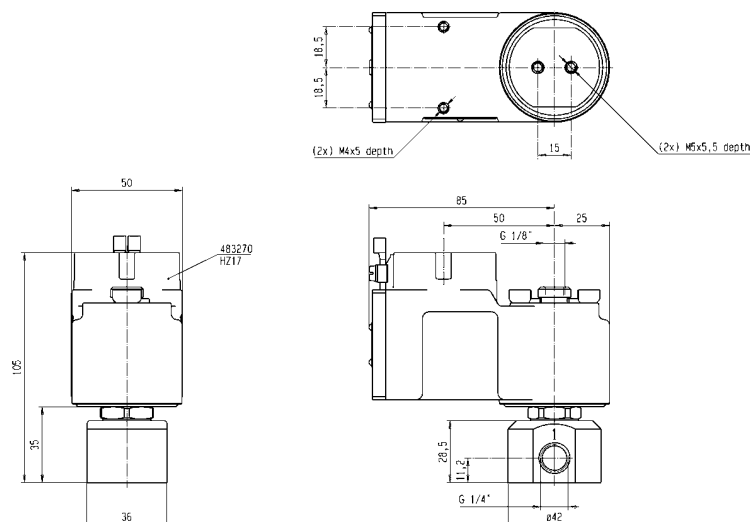
316 St. Steel valves for chemical, petrochemical and offshore applications



Dimension reference 86



Dimension reference 3783

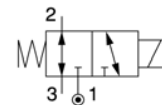


Dimension reference 6714

316 St. Steel valves for chemical, petrochemical and offshore applications

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure kPa			Fluid temp. °C	Admissible ambient temp. °C	Seat disc	Reference numbers		Power consumption (W)		Degree of protection Ex	El. Part Group *	Dim ref.
			Min	Max	AC				Valve reference no.	Coil	DC	AC			
NPT		Qn													

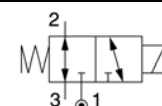
Direct operated



316L Stainless Steel body/Pipe mounting

1/4	5	680	0	1000	-	-25 to +65	-25 to +65	NBR	U133X5156	1	492965.01	0.8	-	EEx ia IIC T6	10	7770
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR			492310	6	6	EEx me II T4(T5)	10	

Direct operated



316L Stainless Steel body/Pipe mounting

1/4	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR	U133X51561D	1	483270	8	8	EEx d IIC T4/T5/T6	11	7011
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR			483270.02	8	8	EEx d IIC T4/T5/T6	11	
	5	680	0	1000	-	-25 to +65	-25 to +65	NBR	U133X5196	2	492965.01	0.8	-	EEx ia IIC T6	10	7770
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR			492310	6	6	EEx me II T4(T5)	10	
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR	U133X51961D	1	483270	8	8	EEx d IIC T5	11	7038
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR			483270.02	8	8	EEx d IIC T5	11	

Table continued on page 282

Notes:

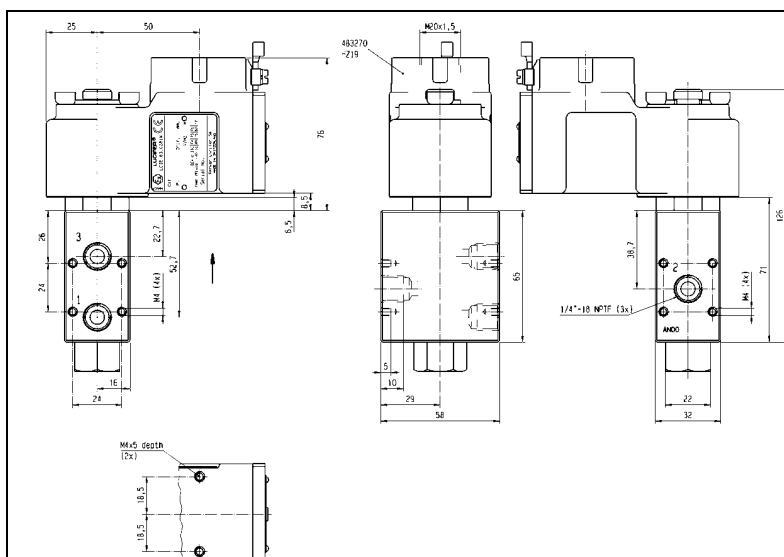
* See Electrical Parts Group table at end of section

1. Valve with NPT ports

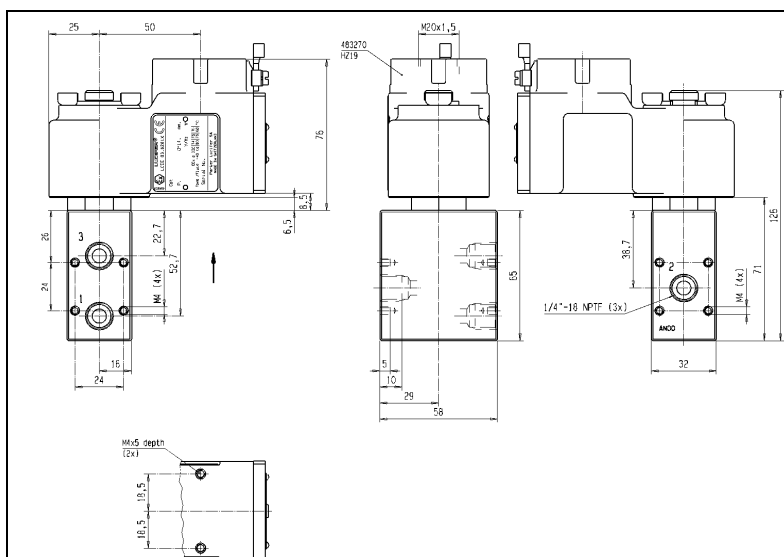
2. Optional manual override available on request - change suffix 96 to 56

Valve with NPT ports

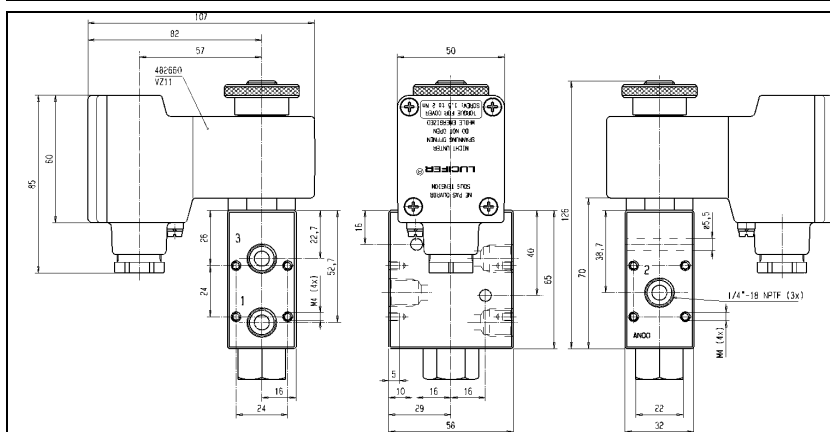
316 St. Steel valves for chemical, petrochemical and offshore applications



Dimension reference 7011



Dimension reference 7038



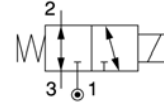
Dimension reference 7770



316 St. Steel valves for chemical, petrochemical and offshore applications

Port size	Orifice (mm)	Flow factors (L/min)	Admissible differential pressure kPa			Fluid temp. °C	Admissible ambient temp. °C	Seat disc	Reference numbers		Power consumption (W)		Degree of protection Ex	El. Part Group *	Dim ref.
			Min	Max	AC				Valve reference no.	Coil	DC	AC			
NPT		Qn													

Direct operated



316L Stainless Steel body/Pipe mounting

3/8	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR	U133X5296	1	492965.01	0.8	-	EEx ia IIC T6	10	7669
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR			492310	6	6	EEx me II T4(T5)	10	
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR	U133X52961D	1	483270	8	8	EEx d IIC T4/T5/T6	10	7670
	5	680	0	1000	1000	-25 to +65	-25 to +65	NBR			483270.02	8	8	EEx d IIC T4/T5/T6	10	

Notes:

* See Electrical Parts Group table at end of section

1. Valve with NPT ports

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