

## FEATURES

- The valves are certified according to IEC 61508 Functional Safety data and have SIL-3 capability (TÜV & Exida certification)
- The solenoid valves are recommended for pilot applications with high flow, wide pressure ranges and no minimum operating pressure
- Coils used in metal enclosures have class H insulation materials
- The core movement is guided to ensure optimal alignment. The special low friction seal accomplishes a balanced construction at the specified temperature and pressure range at minimum power levels
- Special rider rings eliminate sticking and provide exceptional service life
- No minimum operating pressure required
- Pressure can be applied at any port
- 316L stainless steel construction for highly corrosive atmospheres
- The solenoid valves satisfy all relevant EU directives
- Manual Operators are optional including an under pressure removable type
- Environmental NACE compliant and certified vibration resistant in combination with WSCR solenoids

## GENERAL

**Differential pressure** 0 - 10 bar [1 bar = 100kPa]  
**Response times** < 100 ms

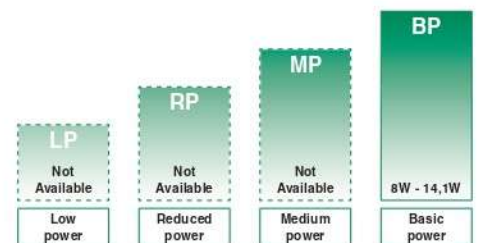
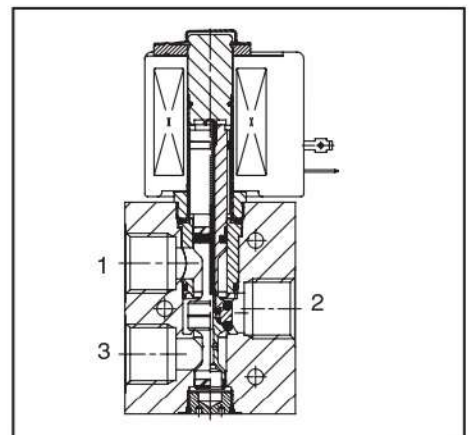
fluids (*)	temperature range (TS) <sup>(1)</sup>	seal materials (*)
air, inert gas	- 25 to + 60°C - 10 to + 90°C - 50 to + 60°C	NBR (nitrile) FPM (fluoroelastomer) (F)VMQ ((fluor)silicone)

<sup>(1)</sup> Can be limited by the operator ambient temperature range for explosion proof solenoids

## MATERIALS IN CONTACT WITH FLUID

(\*) Ensure that the compatibility of the fluids in contact with the materials is verified

	Brass body	Stainless steel body
Body	Brass	AISI 316L SS
Stem	Stainless steel	Stainless steel
Core tube	Stainless steel	Stainless steel
Core and plugnut	Stainless steel	Stainless steel
Springs	Stainless steel	Stainless steel
Seals	NBR, FPM or (F)VMQ	NBR, FPM or (F)VMQ
Rider ring	PTFE	PTFE



POWER LEVELS - cold electrical holding values (watt)

## SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv		operating pressure differential (bar)		power level	prefix optional solenoids								basic catalogue number	
							min.	max. (PS)	NEMA 7&9	ATEX/IECEX				IP65		
				air (*)	Ex db			Ex eb mb		Ex mb						
				~/=				EF			NF	WSCR	EM			
❖	(mm)	(m³/h)	(l/m)			~/=	EF	NF	WSCR	EM	WSCREM	PV	SC	brass <sup>(2)</sup>	stainless steel	
U - Universal, NBR sealings and poppets																
1/4	12	1,5	25,0	0	10	BP	-	●	●	●	●	-	●	❖ 327A647	❖ 327A648	
1/2	12	1,5	25,0	0	10	BP	-	●	●	●	●	-	●	❖ 327A607	❖ 327A608	
U - Universal, FPM sealings and poppets																
1/4	12	1,5	25,0	0	10	BP	-	●	●	●	●	-	●	❖ 327A649	❖ 327A650	
1/2	12	1,5	25,0	0	10	BP	-	●	●	●	●	-	●	❖ 327A609	❖ 327A610	
U - Universal, (F)VMQ sealings and poppets																
1/4	12	1,5	25,0	0	10	BP	-	●	●	●	●	-	●	❖ 327A645	❖ 327A646	
1/2	12	1,5	25,0	0	10	BP	-	●	●	●	●	-	●	❖ 327A605	❖ 327A606	

❖ Select 8 for NPT ANSI 1.20.3 or Select G for ISO G(228/1)

● Available feature

○ Available feature in DC only

- Not available

<sup>(2)</sup> Not in combination with WSCR solenoids