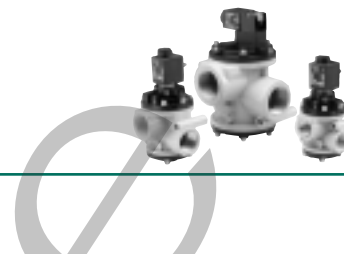

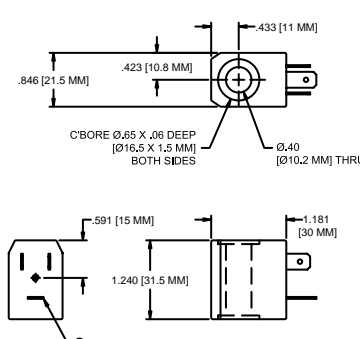




Poppet Valves Coils & Accessories



U1 Coil

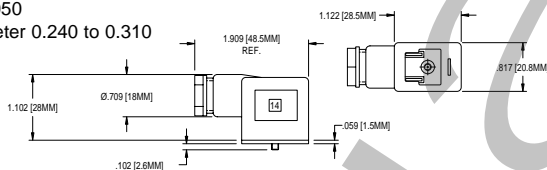
TYPE	OVERALL DIMENSIONS	*DUTY CYCLE	CONSUMPTION		TOLERANCE		MASS KG	RATED VOLTAGE	PART NUMBER
			CONTINUOUS	IN-RUSH	FREQUENCY	VOLTAGE			
		100%	3.5W	3.5W	—	±10	0.10	12VDC	DA-0050-U
								24VDC	DA-0051-U
								110V/50-60HZ	DA-0108-U
								220V/50-60HZ	DA-0124-U

*Under continuous service a maximum temperature will not compromise the functioning of the coil provided that the working position is ventilated.

PLUG-IN CONNECTOR ASSEMBLIES


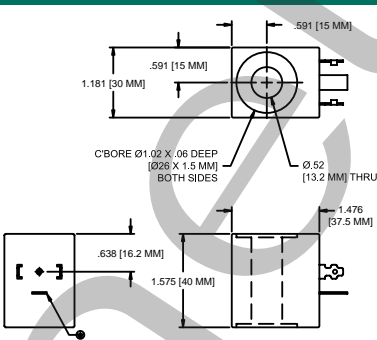
Per DIN Spec. No 40050

*Accepts Cable Diameter 0.240 to 0.310



PLUG CONNECTOR DESCRIPTION	PART NO.
Black Plug Assembly	230-364
Plug assembly with 24V Light	230-365
Plug assembly with 110V Light	230-366
Plug assembly with 220V Light	230-367

U2 Coil

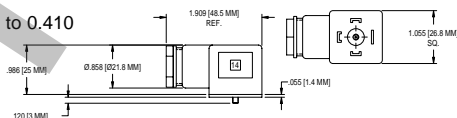
TYPE	OVERALL DIMENSIONS	*DUTY CYCLE	CONSUMPTION		TOLERANCE		MASS KG	RATED VOLTAGE	PART NUMBER
			CONTINUOUS	IN-RUSH	FREQUENCY	VOLTAGE			
		100%	11W	11W	—	±10	0.10	12VDC	DB-0501-U
								24VDC	DB-0502-U
								110V/50-60HZ	DB-0509-U
								220V/50-60HZ	DB-0510-U

*Under continuous service a maximum temperature will not compromise the functioning of the coil provided that the working position is ventilated.

PLUG-IN CONNECTOR ASSEMBLIES

Per DIN Spec. No 40050

*Accepts Cable Diameter 0.310 to 0.410



PLUG CONNECTOR DESCRIPTION	PART NO.
Black Plug Assembly	230-370
Plug assembly with 24V Light	230-371
Plug assembly with 110V Light	230-372
Plug assembly with 220V Light	230-373
Plug with 12 VDC Light	230-385

Repair Kits - NAF & NAG Series

PORT SIZE	NAF SERIES	NAG SERIES	
	SOL. & AIR PILOT	INT. VAC PILOT	EXT. AIR PILOT
1/8"	AF-9655	N/A	N/A
1/4" - 3/8"	AF-9660	AG-9680	AG-9660
1/2" - 3/4"	AF-9665	AG-9685	AG-9665
1"	AF-9670	AG-9690	AG-9670
1-1/2"	AF-9675	AG-9695	AG-9675

PIPE PLUG - NAF SERIES	PART NO.
1/8"	129-100
1/4"	129-101
3/8"	129-102



FAQ's

Standard Poppet Valve Weight Requirements

PORT (NPT)	FUNCTION	PART NUMBER	WEIGHT	
			lbs	Kg
Solenoid Pilot (Internal) for Air				
1/8"	3/2 NC, NO	NAF2500, 2501	0.70	0.32
1/4"	3/2 NC, NO	NAF2510, 2511	1.50	0.68
3/8"	3/2 NC, NO	NAF2520, 2521	1.45	0.66
1/2"	3/2 NC	NAF2530	3.10	1.41
1/2"	3/2 NO	NAF2531	3.05	1.38
3/4"	3/2 NC, NO	NAF2540, 2541	2.85	1.29
3/4"	3/2 NC	NAF2542	2.55	1.16
1"	3/2 NC	NAF2545	4.20	1.91
1"	3/2 NO	NAF2546	4.25	1.93
1"	2/2 NC	NAF2547	3.90	1.77
1-1/2"	3/2 NC	NAF2565	6.25	2.83
1-1/2"	3/2 NO	NAF2561	6.10	2.77
1-1/2"	2/2 NC	NAF2567	5.65	2.56
Air Pilot (External) for Air				
1/8"	3/2 NC, NO	NAF2600, 2700	0.45	0.20
1/4"	3/2 NC, NO	NAF2601, 2701	1.25	0.57
3/8"	3/2 NC	NAF2606, 2706	1.20	0.54
1/2"	3/2 NC	NAF2603	2.70	1.22
1/2"	2/2 NC	NAF2603A	3.15	1.43
3/4"	3/2 NC	NAF2610	2.55	1.16
3/4"	2/2 NC	NAF2610A	2.90	1.32
1"	3/2 NC	NAF2615	3.90	1.77
1"	2/2 NC	NAF2615A	4.25	1.93
1-1/2"	3/2 NC	NAF2620	5.45	2.47
1-1/2"	2/2 NC	NAF2620A	6.35	2.63
Solenoid Pilot (Internal) for Vacuum				
1/4"	3/2 NC, NO	NAF3210, 3211	1.80	0.82
3/8"	3/2 NC, NO	NAF3214, 3215	1.80	0.82
1/2"	3/2 NC	NAF3222	3.10	1.41
1/2"	3/2 NO	NAF3223	3.05	1.38
3/4"	3/2 NC, NO	NAF3232, 3233	2.85	1.29
1"	3/2 NC	NAF3242	4.20	1.91
1"	3/2 NO	NAF3243	4.25	1.93
1-1/2"	3/2 NC, NO	NAF3210, 3211	5.80	2.63
Solenoid Pilot (External) for Vacuum				
1/4"	3/2 NC, NO	NAF3009, 3010	1.80	0.82
3/8"	3/2 NC, NO	NAF3011, 3012	1.80	0.82
1/2"	3/2 NC	NAF3020	3.10	1.41
1/2"	3/2 NO	NAF3021	3.05	1.38
3/4"	3/2 NC, NO	NAF3040, 3041	2.85	1.29
1"	3/2 NC	NAF3050	4.20	1.91
1"	3/2 NO	NAF3051	4.25	1.93
1-1/2"	3/2 NC	NAF3062	6.25	2.83
1-1/2"	3/2 NO	NAF3063	6.10	2.77

Poppet Valve FAQ's

- Are different coils available on the smaller sized poppet valves? (Yes, but a special part number is required.)
- Is the manual override held captive in place? (Yes, the solenoid stem itself locates and holds this brass manual override in place. There is a slot (or groove) on the manual override.)
- Is there an option code for external piloting solenoid air valves? (The option code is 14A)
- What are these valves best suited for? (These valves are particularly suitable for applications where high flow and cycle rates are required.)
- Is a lower watt solenoid operator available? (Yes, for U1 solenoid stems a 2.5 watt is available.)
- Is field conversion from internal to external pilot supply possible? (Yes, in certain cases. Please consult factory.)
- What is considered bubble tight? (Bubble tight for the poppet valve is considered as .24 cc or better per minute.)
- Is it possible to convert N.C. to N.O.? (No, it is not.)
- What is the cycle life of the poppet valves? (Recent tests have recorded 9 million cycles.)
- Are viton seals available with the poppet valve? (No, they are not available.)
- Are poppet valves strictly used for air? (Inert gases can be used with these valves.)
- Can the internally piloted vacuum valve operate in an "open" circuit? (No, as stated, 5.9" of Hg is the minimum required.)

For information and ordering, contact Numatics LTD. at (519) 452-1777, or visit www.numatics.com