

## DESCRIPTION

### ISO 5599/1 STANDARDS

The Series 9 electropneumatically or pneumatically operated valves have been manufactured in sizes 1, 2 & 3, as recommended by ISO Standards. They are constructed to be actuated in different ways:

- Electrical actuation spring return
- Electrical actuation & pneumatic spring return
- Electrical actuation & return
- Pneumatic actuation & spring return
- Pneumatic actuation & differential pneumatic return
- Pneumatic actuation & return

For coils & plugs see pages 395 – 397

**SOL / SPRING**  
5/2



PART NUMBER	FUNCTION	ISO
Z951-P15-23	5/2	1
Z952-P15-23	5/2	2
Z953-P15-23	5/2	3

**SOL / SOL**  
5/2



PART NUMBER	FUNCTION	ISO
Z951-P11-23	5/2	1
Z952-P11-23	5/2	2
Z953-P11-23	5/2	3

**5/3**

Z961-P11-23	5/3 CC	1
Z971-P11-23	5/3 CO	1
Z962-P11-23	5/3 CC	2
Z972-P11-23	5/3 CO	2
Z963-P11-23	5/3 CC	3
Z973-P11-23	5/3 CO	3

**PNEU / SPRING**  
5/2



PART NUMBER	FUNCTION	ISO
Z951-000-35	5/2	1
Z952-000-35	5/2	2
Z953-000-35	5/2	3

**PNEU / DIFF PNEU**  
5/2



PART NUMBER	FUNCTION	ISO
Z951-000-34	5/2	1
Z952-000-34	5/2	2
Z953-000-34	5/2	3

**PNEU / PNEU**  
5/2



PART NUMBER	FUNCTION	ISO
Z951-000-33	5/2	1
Z952-000-33	5/2	2
Z953-000-33	5/2	3

**5/3**

Z961-000-33	5/3 CC	1
Z971-000-33	5/3 CO	1
Z962-000-33	5/3 CC	2
Z972-000-33	5/3 CO	2
Z963-000-33	5/3 CC	3
Z973-000-33	5/3 CO	3

## SPECIFICATIONS

Type of construction	Spool (servo controlled)
Valve group	5/2 & 5/3-way port / position Centre Closed (CC) or Centre Open (CO)
Materials	Aluminium body, stainless steel spool, NBR seals
Mounting	Threaded holes in sub-base
Sub-base sizes	1 = 1/4", 2 = 3/8" & 3 = 1/2"
Operating temperature	0°C to 60°C (with dry air -20°C)
Operating pressure	10 bar maximum
Nominal pressure	6 bar
Nominal flow	Size 1: 900 NI/min, Size 2: 1610 NI/min Size 3: 3700 NI/min
Class of insulation	Class H
Protection class	IP54 DIN 40050 (IP65 with DIN 43650/PG9 connector)

**SINGLE SUB-BASE WITH SIDE OUTLETS**



PART NUMBER	INLET / EXHAUST	SIZE
Z901-F1A	1/4"	ISO 1
Z902-F2A	3/8"	ISO 2
Z903-F3A	1/2"	ISO 3

**SINGLE SUB-BASE WITH REAR OUTLETS**



PART NUMBER	INLET / EXHAUST	SIZE
Z901-G1A	1/4"	ISO 1
Z902-G2A	3/8"	ISO 2
Z903-G3A	1/2"	ISO 3

**MANIFOLD SUB-BASE WITH COMMON EXHAUST & INLET**



PART NUMBER	INLET / EXHAUST	SIZE
Z901-C1A	1/4"	ISO 1
Z902-C2A	3/8"	ISO 2
Z903-C3A	1/2"	ISO 3

**END BLOCK FOR MANIFOLD SUB-BASE**



PART NUMBER	INLET / EXHAUST	SIZE
Z901-H1	1/4"	ISO 1
Z902-H2	3/8"	ISO 2
Z903-H3	1/2"	ISO 3

**END BLOCK WITH FRONT OUTLET**



PART NUMBER	INLET / EXHAUST	SIZE
Z901-N1	1/4"	ISO 1
Z902-N2	3/8"	ISO 2
Z903-N3	1/2"	ISO 3

**MANIFOLD SUB-BASE WITH COMMON EXHAUST & INLET**



PART NUMBER	INLET / EXHAUST	SIZE
Z901-N1A	1/4"	ISO 1

**END BLOCK FOR MANIFOLD BASES**



PART NUMBER	INLET / EXHAUST	SIZE
Z901-HN1	1/4"	ISO 1