



- The valves and fittings with BSP, metric and NPT threads which are listed in the following drawings and schedules, are to a great extent on stock and can be delivered shortly (subject to prior sale).
- All standard valves and manifolds are pressure-tested according to DIN EN 12266-1 - P10, P11 and P12 - (test medium: water, test pressure: 1,5xPN).  
Further test requirements can be arranged.
- For special executions regarding connections and material, please send us your enquiries.

4. **Standard body materials:**

Material	Material No.	Alloy Type / Steel Grade	ASTM	Remarks
Brass	CW614N (2.0401)	Cu Zn 39 Pb 3		previous short form: Ms 58
	CW617N (2.0402)	Cu Zn 40 Pb 2		
Steel	1.0460	P250GH (C 22.8)	A105	
	1.5415	16 Mo 3 (15 Mo 3)		for high temperatures
	1.7335	13 Cr Mo 4-5 (13 Cr Mo 4 4)	A182 F12 Cl2	for high temperatures
	1.7383	11 Cr Mo 9-10	A182 F22 Cl3	heat resistant
Stainless steel	1.4571	X6 Cr Ni Mo Ti 17-12-2	UNS S 31635	316Ti
	1.4404	X2 Cr Ni Mo 17-12-2	UNSS 31603	316L

5. **Special materials:**

Material No.	Alloy Type / Steel Grade	UNS-No.	Remarks
1.4439	X2 Cr Ni Mo N 17-13-5		salt water resistant
1.4539	X1 Ni Cr Mo Cu 25-20-5	N 08904	high corrosion resistant
1.4541	X6 Cr Ni Ti 18-10	S 32100	low temperature resistant
1.4462	Duplex	S 31803	
	Superduplex	S 32750 / S 32760	
	Alloy 400	N 04400	
	Alloy C-276	N 10276	
	Alloy C-4	N 06455	
	Titanium Gr. 2	R 50400	
	6 Mo / 254SMO®	S 31254	

6. **Registered trademarks:**

KEL-F® is a registered trademark of 3M Co.

254SMO® is a registered trademark of AVESTA.

7. **Types of inspection documents:**

Certificate of compliance with the order 2.1 acc. to EN 10 204

Test report 2.2 acc. to EN 10 204

Inspection certificate 3.1 acc. to EN 10 204

Inspection certificate 3.2 acc. to EN 10 204

Inspection by Germanischer Lloyd and others.

- On each catalogue sheet, you will find the pressure and temperature rating, corresponding to the used material.  
For permanent temperatures of more than 300°C (at the valve) or for the use with certain aggressive media, valves with external stem thread should be used in any case.
- Valves, manifolds and components for oxygen service, please notice order instructions B 3.
- We produce special executions of valves, cocks and manifolds according to your drawings, designs or samples.

Please send us your enquiries.