

FITTINGS AND VALVES



Ductile cast iron valves

for water and gas supply

Valves made of ductile cast iron – Reliable, safe

The basis – cast iron

Düker places emphasis on protection: Quality and a long life cycle, the most important parameters in supply lines, ensure investment protection in the long run, due to exclusive materials and innovative coatings.



Due to its outstanding material features such as solidity, toughness, good corrosion resistance, remarkably high pressure resistance and damping capacity, cast iron is an essential component of industrial products and the basis of Düker's product range for water and gas supply.

Longevity, safety, good formability as well as the economic efficiency make this material unique, indispensable and particularly suitable for the transport of the precious element – water.



fe and cost-effective

For us to benefit from water, as drinking water or in sewage, it must be transported safely and without losses. For this purpose, pipeline systems that are manufactured from materials ensuring reliability and safe operation are indispensable.

Ductile cast iron, a special form of cast iron, also called spheroidal cast iron, is up to the standard and exceeds it with further positive material properties, such as durability and economic efficiency.

For us the best material for the application in supply lines.

Surface protection

Today and in the past, corrosion has been the main cause of pipeline damages. Different types of soil and variations of water qualities are placing high demands on surface protection. Effective and long-lasting surface protection means being able to withstand any given situation and, as a result, assures protection against corrosion. Düker overcomes this problem by providing adapted and application-oriented linings and coatings.

All Düker valves are offered with inside enamel, which combines the surface protection permanently with the cast iron body. Because of its surface quality, enamel allows no deposits. So with enamelled surfaces, corrosion, incrustation, abrasion and wear have no chance!



Restrained connected with thrust-resisting joi

Socket systems – economic and efficient

Our product line includes a wide range of flange and socket fittings with adapted joint systems.

Compared to the conventional flanged joints, socket systems offer convincing technical and economic advantages. Time, costs and material are saved without putting at risk the connections' safety and watertightness.

Commencing with bolted-gland sockets through to screw-gland sockets to **TYTON®** and **NOVO-SIT®** sockets, today professional socket designs are offered for a large number of application fields. The thrust-resisting joint systems by Düker make a considerable contribution to restrained connections in order to ensure leak-proof pipelines.



nt systems by Düker

Suitable systems for any range of application

With the thrust-resisting joint systems „Düker SMU, Düker SPEZIAL, Tyton SIT®, TYTON SIT PLUS®, NOVO-SIT® and NOVO-Grip® III, Düker offers a range of joint systems which allows a suitable restrained connection in almost every field of application.

Consequently we recommend the screw-gland socket connection with Düker SMU (DN 40 – 65, PN < 16) or Düker SPEZIAL (DN 80 - 400, PN < 16) for the repairing of grey cast iron pipelines with current ductile pipe materials.

For inner town areas and trunk lines Düker offers the TYTON®- or NOVO plug-in socket

systems in combination with the restraining systems Tyton SIT®, TYTON SIT PLUS® or NOVO-SIT®.

Whereas Tyton SIT® finds its application field in the range from DN 80 up to DN 400 for nominal pressures up to PN 10/16, the system TYTON SIT PLUS® extends the field of use with higher pressure rates up to PN 32 and DN 600.

NOVO-SIT® is the suitable connection for nominal diameters from DN 80 up to DN 800 and nominal working pressures up to PN 40 (on request).

NOVO socket technology - one for all

The socket design NOVO-SIT® (for metallic pipe connections) is also base for the thrust-resisting joint system NOVO-Grip® III for PE-HD pipelines.

By separating the sealing and locking functions in the Novo socket and by using the appropriate thrust-resisting rings, it is possible to connect different pipe materials leak-proof and safe. The application field of NOVO-Grip® III is PN 10/16 and PE-HD diameters from 90 up to 225 mm.



Our Valve program at a glance

The product range includes among others gate valves, butterfly valves, tapping valves, tapping clamps as well as flap valves.



Gate valve type 4004
with flanges (DN 40 - 300)

Gate Valves	Design	DN	PN	
Type 4004	with flanges	DN 40 - 300	16 (water)	16 (gas)
Type 4004	with socket connections	DN 80 - 300	16 (water)	
Type 4004	with PE-HD connections	Ø 80 - 225	16 (water)	10 (gas)
Type 4004	with flanges (exchange gate valve)	DN 80 - 200	16 (water)	
Type 2004	with flanges	DN 40 - 300	16 (water)	16 (gas)
Type 2004	with flanges (exchange gate valve)	DN 80 - 200	16 (water)	
Type 3004	with welding ends	DN 50 - 300	16 (gas)	



Exchange gate valve type 4004
with flanges (DN 80 - 200)



Gate valve type 3004
with welding ends
(also as blow-out gate valve)



Gate valve type 4004
with PE-HD connections
(also as blow-out gate valve)



Gate valve type 4004
with Novo sockets

Butterfly Valves	Design	DN	PN
Type 4510	with handwheel	100 - 600	10/16 (water)
Type 451	with handwheel	700 - 1200	10/16 (water)
Type 4510	for underground installation	100 - 600	10/16 (water)
Type 451	for underground installation	700 - 1200	10/16 (water)
Type 4510	with electric actuator	100 - 600	10/16 (water)
Type 451	with electric actuator	700 - 1200	10/16 (water)
Type 4510	with Novo socket connections	150 - 500	10/16 (water)
Type 4510	with bypass	300 - 600	10/16 (water)
Type 451	with bypass	700 - 1000	10/16 (water)



Butterfly valve type 4510
with Novo sockets connections



Butterfly valve type 451
with bypass



Butterfly valve type 451
for underground installation



Butterfly valve type 4510
with handwheel

PN 25 on request
Gas on request

Pillar fire hydrant
type 504



Underground fire hydrant type 305

Pillar fire hydrants

Design

PN

Type 494

Design AUD

16 (water)

Type 495

Design AFUD

16 (water)

Type 501

Design AUD

16 (water)

Type 504

Design AUD

16 (water)

Underground fire hydrants

Design

PN

Type 304

with flange

16 (water)

Type 305 (with double obturator)

with flange

16 (water)

Type 393S

with spigot

16 (water)

House connection Valves

Design

PN

Type 1004

TOP / vertical drilling

16 (water)

Type 1004

TOPsi / horizontal drilling

16 (water)

Type 1004

with internal pipe thread

16 (water/gas)

Type 1004

with PE-HD connections

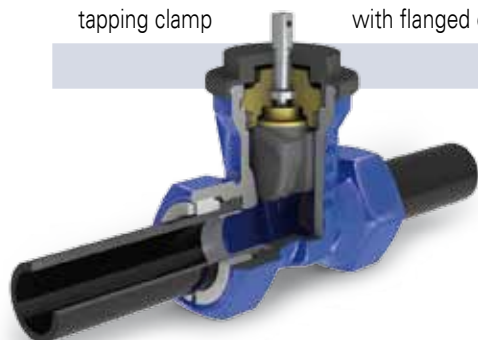
16/10 (water/gas)

tapping clamp

with internal pipe thread

tapping clamp

with flanged outlet



House connection valve
type 1004
with PE-HD connections



Tapping valve
type 1004 / TOPsi
for horizontal drilling



Tapping valve
type 1004 / TOP
for vertical drilling



Tapping clamp
with internal pipe thread

Modern manufacturing methods and a multiplicity of controls ensure the approved quality of these valves.

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