

WELLHEAD EQUIPMENT



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CHRISTMAS TREE

Christmas tree is an oil production equipment consisting of valves and a part of the installation used in oil production. Christmas tree is assembled after tubing head spool.

API 6A Standard is taken as reference in material selection and product designs. Generally, alloyed carbon steels are used. However, materials can be upgraded depending on the type of fluid to be extracted and the ambient conditions. All production stages are monitored and recorded with API Q1/ISO 9001 Quality Systems.

Christmas tree, vanalardan oluşan bir petrol üretim ekipmanıdır. Petrol üretiminde kullanılan tesisatın bir parçasıdır. Christmas tree, tubing head spooldan sonra montaj edilir.

Malzeme seçimlerinde ve ürün tasarımlarında API 6A Standart'ı referans alınır. Genellikle alaşımlı karbon çelikleri kullanılır. Fakat çıkartılacak olan akışkanın cinsi ve ortam şartlarına bağlı olarak malzemeler daha üst sınıflarda seçilebilir. Tüm üretim aşamaları API Q1/ISO 9001 Kalite Sistemleri'yle takip edilir ve kayıt altına alınır.



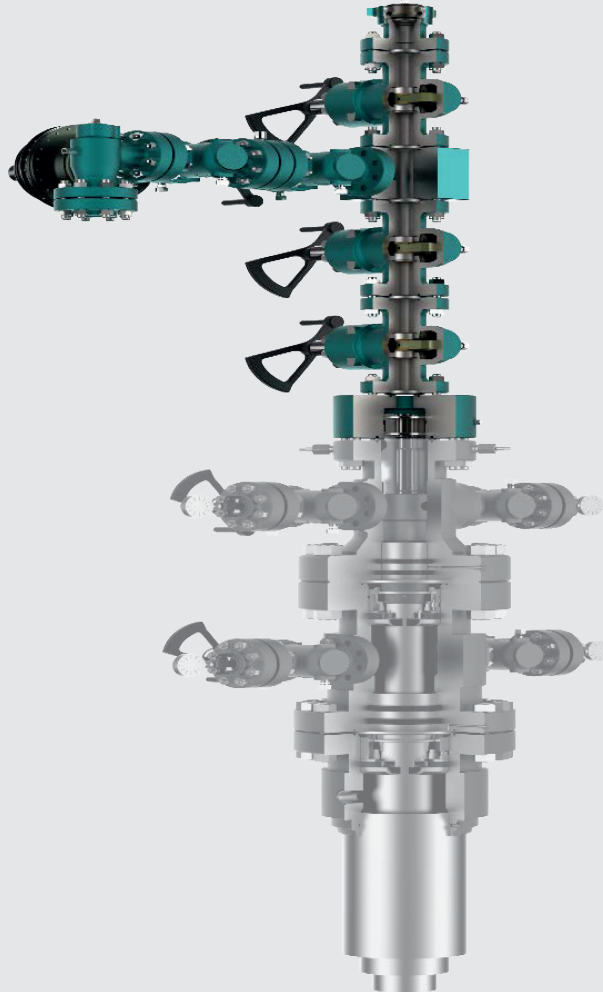
SIZE

2 1/16" - 7 1/8"



PRESSURE RATINGS

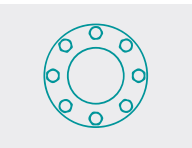
2.000 - 20.000 PSI



CASING HEAD HOUSING

Casing head housing is attached to the upper end of the surface casing. It is designed to accept hanging and packing mechanisms that suspend and seal casing strings. Flanges and side outlets are in compliance with API 6A.

Casing head housing, yüzey casinginin üst kısmına takılır. Casing borularını tutan ve sızdırmazlığını sağlayan, asma ve sarma mekanizmalarına sahiptir. Flanşlar ve yan çıkışlar API 6A ile uyumludur.



**TOP FLANGE
SIZE**

7 1/16" – 21 1/4"



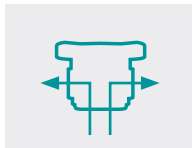
**PRESSURE
RATINGS**

2.000 - 20.000 PSI



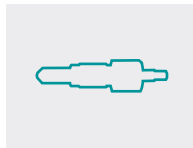
**BOTTOM
CONNECTION
SIZE**

7 1/16" – 21 1/4"



**SIDE
OUTLET**

- Threaded
- Studded flange



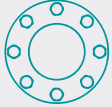
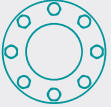
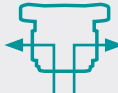
**AVAILABLE
WITH LOCK
SCREWS**

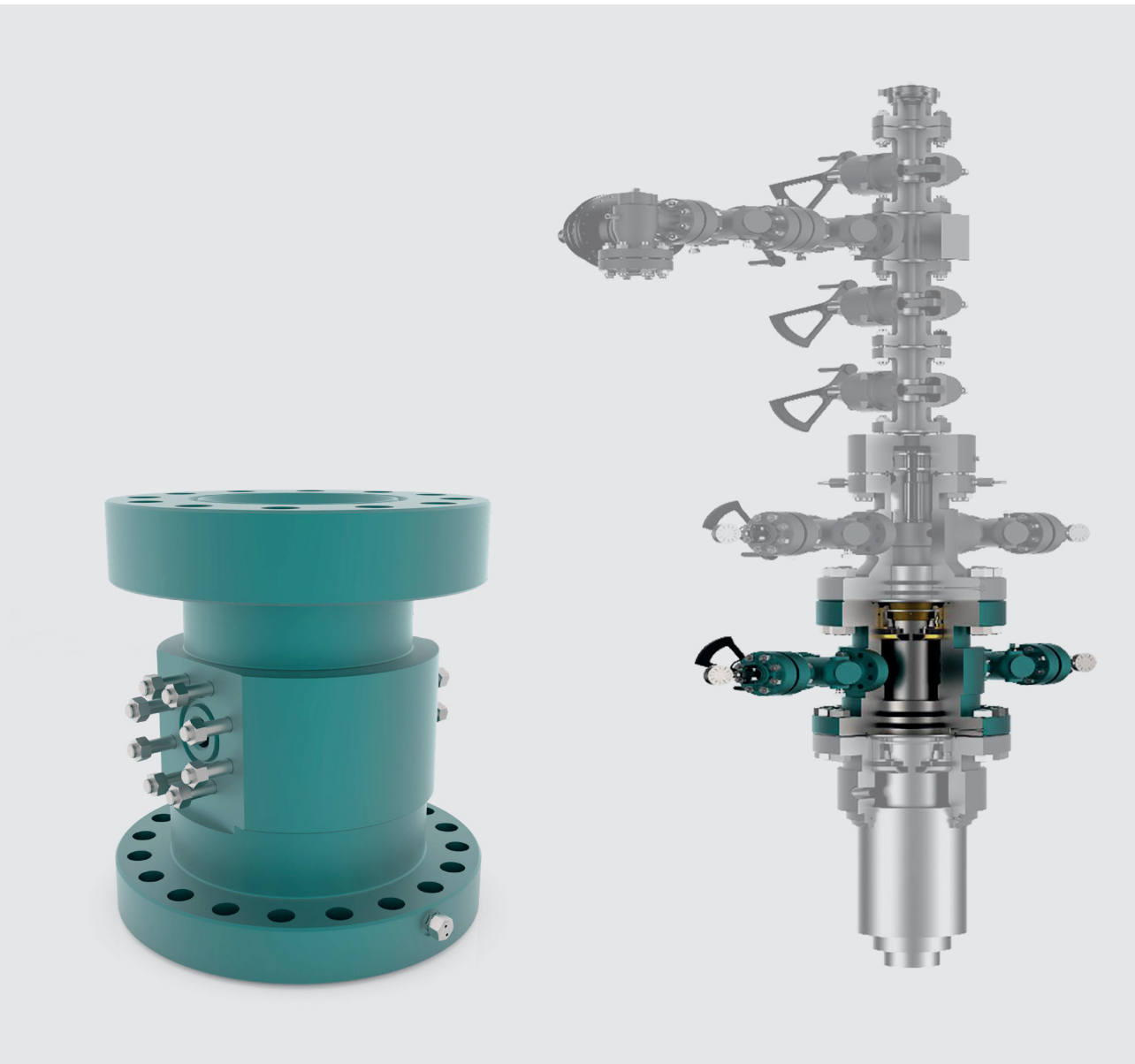


CASING HEAD SPOOL

Casing head spool is attached to the top connector of housings or other spools. It is designed to accept hanging and packing mechanisms that suspend and seal casing strings. Flanges and side outlets are in compliance with API 6A.

Casing head spool, casinglerin veya diğer spoolların üzerine takılır. Casing borularını tutan ve sızdırmazlığını sağlayan, asma ve sarma mekanizmalarına sahiptir. Flanşlar ve yan çıkışlar API 6A ile uyumludur.

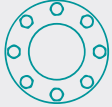
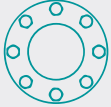
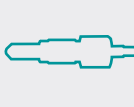
				
TOP FLANGE SIZE	BOTTOM FLANGE SIZE	PRESSURE RATINGS	SIDE OUTLET	AVAILABLE WITH LOCK SCREWS
7 1/16" – 21 1/4"	7 1/16" – 21 1/4"	2.000 - 20.000 PSI	- Studded flange	



TUBING HEAD SPOOL

Tubing head spool is attached to the top connector of casing head housings or spools. It is designed to accept packing mechanisms that seal casing strings and hanger and packing mechanisms that can be used to suspend and seal tubing strings. Flanges and side outlets are in compliance with API 6A.

Tubing head spool, casing head housinglerin veya spoolların üzerine takılır. Casing borularının sızdırmazlığını sağlayan sarma mekanizmalarına sahip şekilde dizayn edilmiştir. Tubing borularını tutmak ve sızdırmazlığını sağlamak için kullanılan asma ve sarma mekanizmalarına sahiptir. Flanşlar ve yan çıkışlar API 6A ile uyumludur.

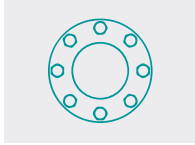
				
TOP FLANGE SIZE	BOTTOM FLANGE SIZE	PRESSURE RATINGS	SIDE OUTLET	AVAILABLE WITH LOCK SCREWS
7 1/16" - 21 1/4"	7 1/16" - 21 1/4"	2.000 - 20.000 PSI	- Studded flange	



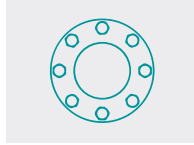
TUBING HEAD ADAPTER

Tubing head adapter, as the name indicates, acts as an adapter. It allows tubing head spool to be connected to a smaller size of valves. Tubing head adapter is attached to the top flange of tubing head spool. Both faces are in compliance with API 6A.

Tubing head adaptör, adından da anlaşılacağı gibi bir adaptör görevi görür. Tubing head spoolun daha küçük boyuttaki vanalara bağlanmasını sağlar. Tubing head adaptör, tubing head spoolun üst flanşına takılır. Her iki bağlantı tarafı da API 6A ile uyumludur.



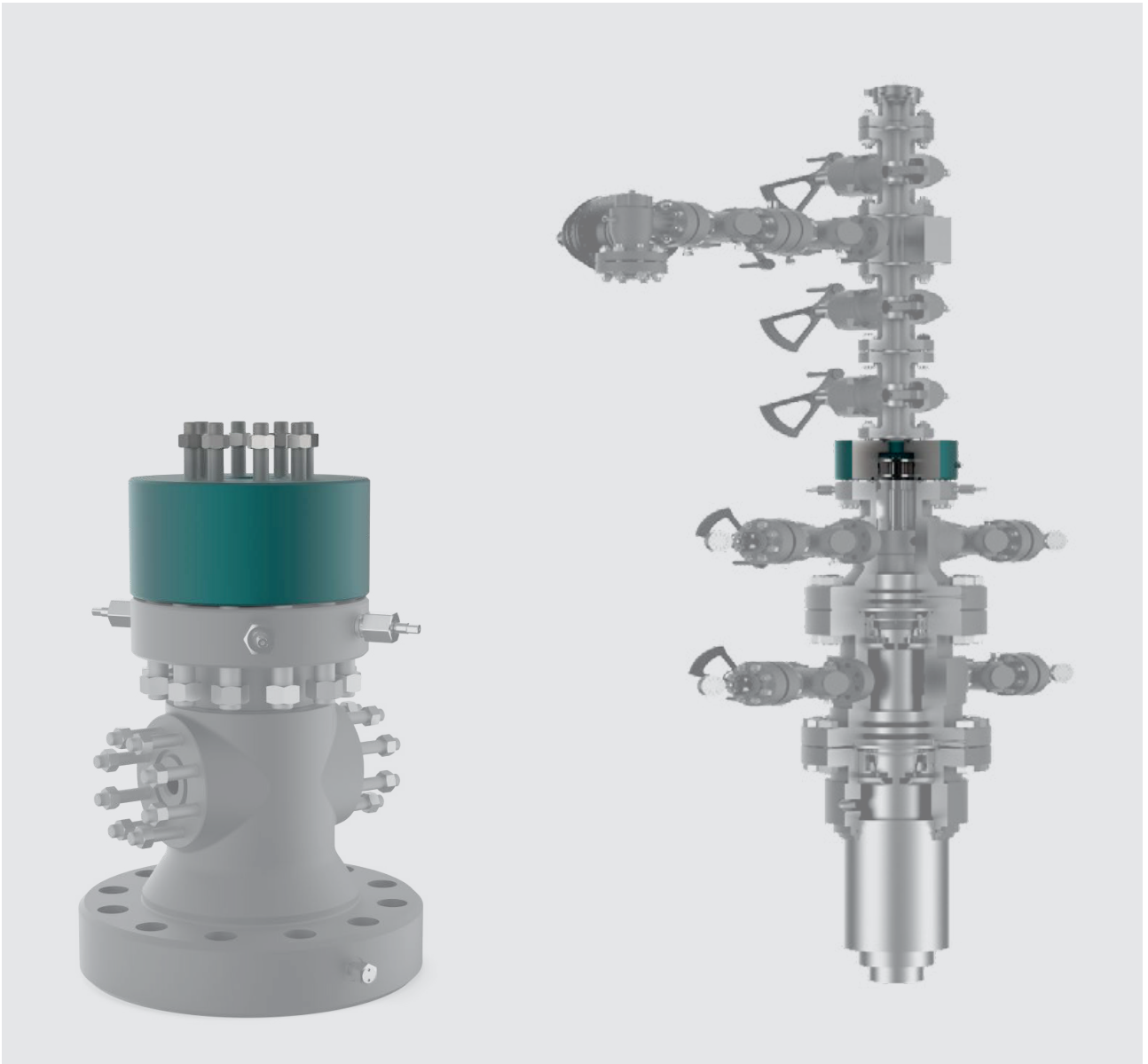
**TOP
CONNECTION SIZE**
2 1/16" – 4 1/16"



**BOTTOM
CONNECTION SIZE**
7 1/16" – 21 1/4"



**PRESSURE
RATINGS**
2.000 - 20.000 PSI



CASING HANGER

Casing hanger is one of the most important parts of the drilling operation. It is attached to both casing head housing and casing head spool. It allows the casing strings to be suspended and sealed. It is expected to be easily assembled during the drilling operation.

Kuyu operasyonunun en önemli parçalarından birisidir. Casing head housing ve casing head spoolun içersine yerleştirilir. Casing borularının askıda kalmasını ve sızdırmazlıklarını sağlar. Sondaj operasyonu sırasında kolay montaj edilmesi beklenir.



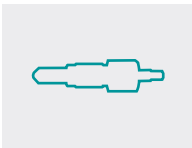
**HANGER
SIZE**

4 1/2" – 16"



**PRESSURE
RATINGS**

2.000 - 20.000 PSI



**AVAILABLE
WITH LOCK
SCREWS**

- Hinge design creates strong and stable structure after closing.
- Pack-off is automatically energized by casing weight.



TUBING HANGER

After the casing operation, tubing hanger is placed inside tubing head spool for the production phase. It allows tubing strings to be suspended and sealed.

Casing operasyonundan sonra üretim aşaması için tubing head spoolun içine yerleştirilir. Boru dizilerinin askıya alınmasını ve sızdırmazlığının sağlanmasını sağlar.



HANGER SIZE

4 1/2" – 16"



PRESSURE RATINGS

2.000 - 20.000 PSI

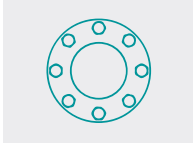
- Tubing hanger is screwed to the last tubing string.
- It is pre-set for subsurface valve installation.



GATE VALVE

API 6A gate valves have a special design. Gate valves can be used as on/off or shutoff valve. Generally, they are used in casing and production operations. It is produced as metal or soft seat. It can be in different diameters depending on the size of the well. It is controlled manually or by an actuator.

API 6A gate vanaları özel bir tasarıma sahiptir. Gate vanalar açma/kapama veya shutoff vanası olarak kullanılabilir. Genellikle casing ve üretim operasyonlarında kullanılırlar. Metal veya yumuşak seatli olarak üretilmektedir. Kuyu büyüklüğüne göre farklı çaplarda olabilir. Manuel olarak veya bir aktüatör ile kontrol edilir.



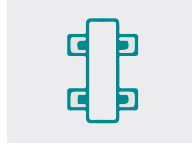
SIZE

2 1/16" - 7 1/8"



PRESSURE RATINGS

2.000 - 20.000 PSI



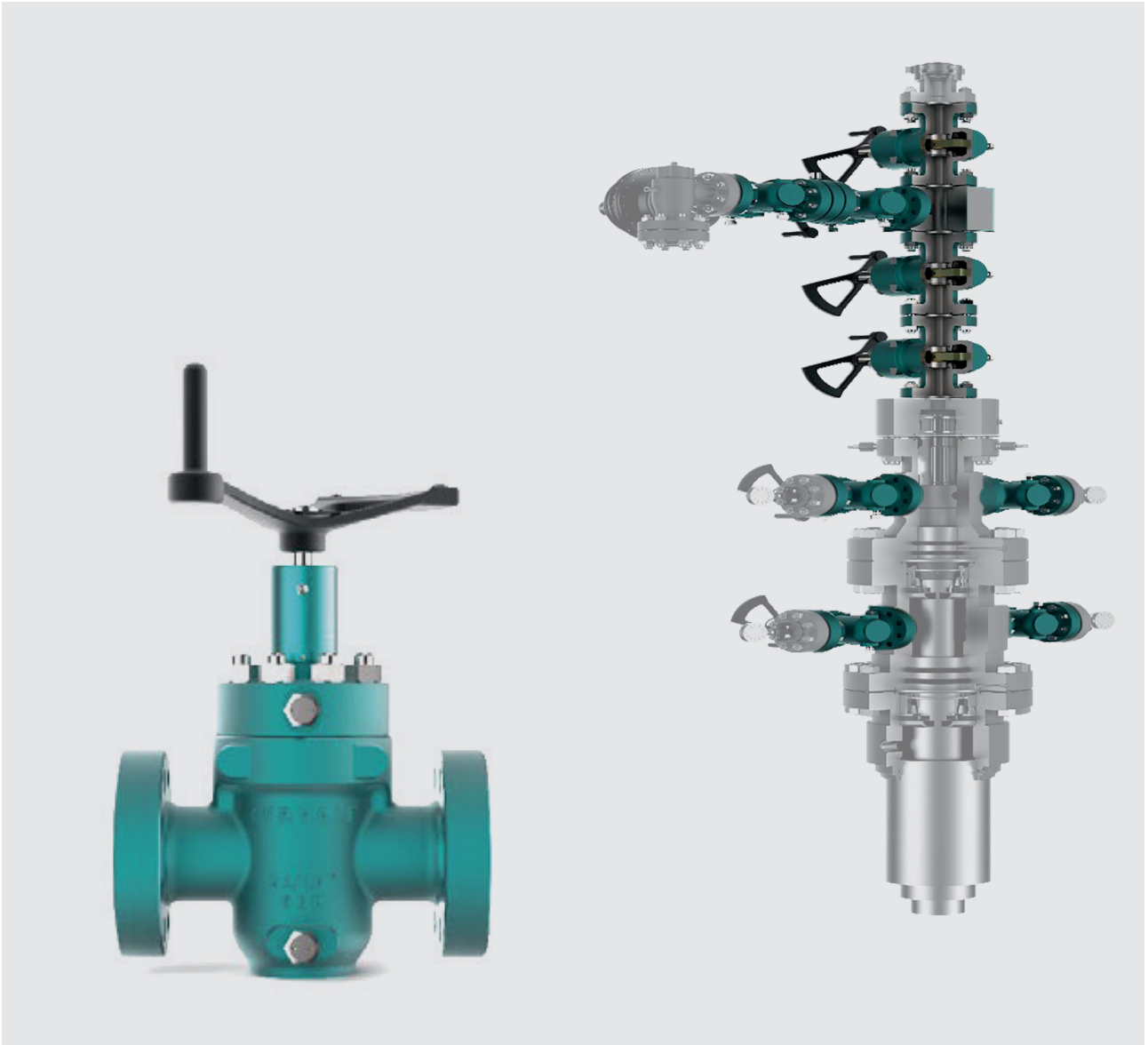
SEAT TYPE

- Metal Seat
- Soft Seat



OPERATOR

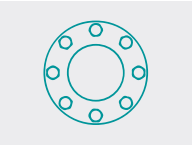
- Hand Well
- Actuator



POSITIVE CHOKE

Positive chokes are chokes that include restrictons or orifices to control the flow rate of fluids. Chokes are not intended to be used as shutoff valves. Positive chokes have standard orifice diameters specified by API 6A.

Pozitif chokelar, akışkanların akış oranını kontrol etmek için daralmalar veya orifisler içeren chokelardır. Chokelar, shutoff vanası olarak kullanılmak üzere tasarlanmamıştır. Pozitif chokelar, API 6A'da belirtilen standart orifis çaplarına sahiptir.



**FLANGE
SIZE**

2 1/16" – 4 1/16"



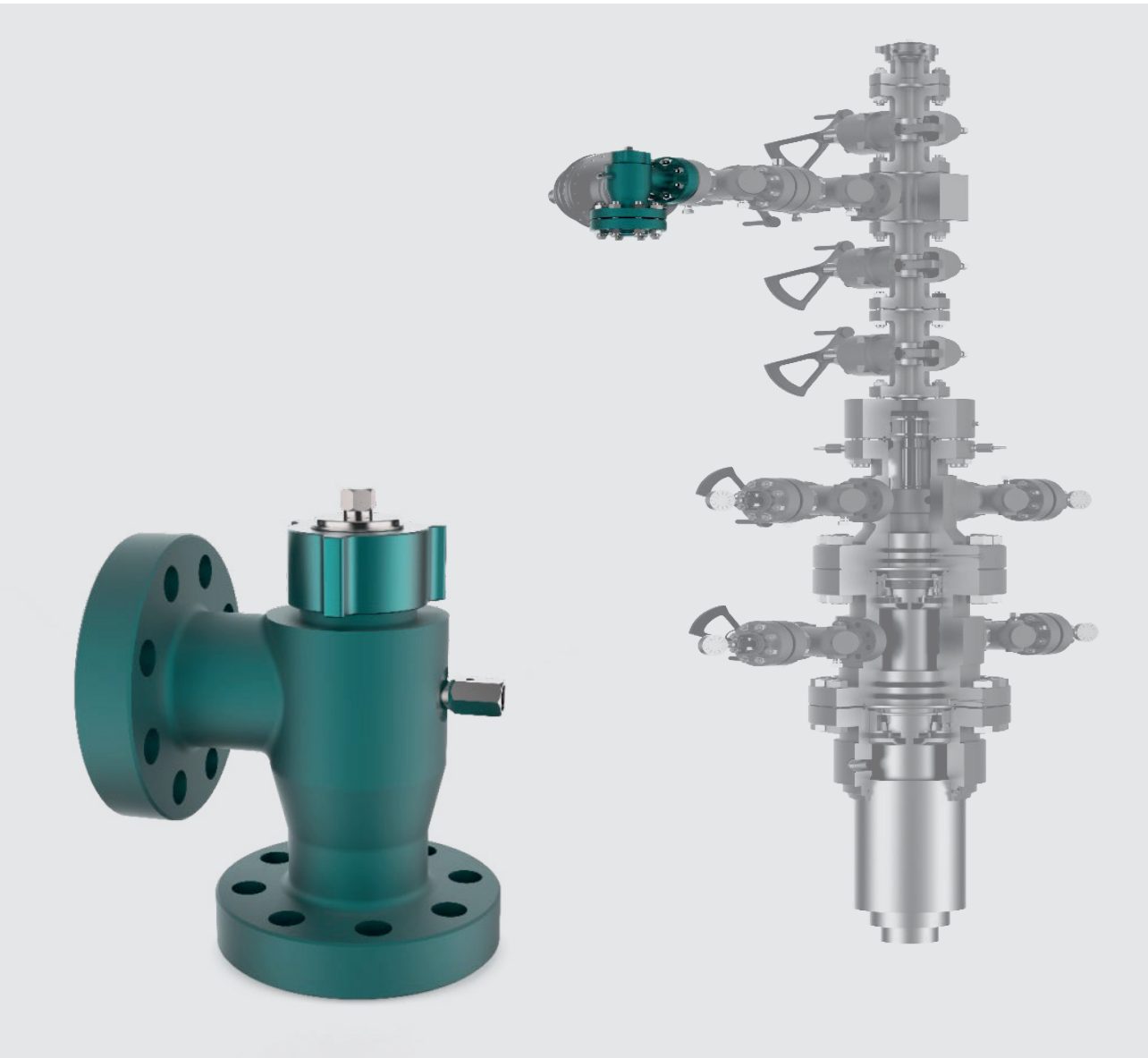
**PRESSURE
RATINGS**

2.000 - 20.000 PSI



**CHOKE
BEANS**

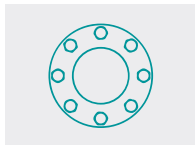
- 8/64" • 32/64"
- 16/64" • 48/64"
- 24/64"



ADJUSTABLE CHOKE

Adjustable chokes are chokes that include restrictions or orifices to control the flow rate of fluids. Chokes are not intended to be used as shutoff valves. Adjustable chokes have an externally controlled variable-area orifice coupled with an orifice-area-indicating mechanism.

Ayarlanabilir chokelar, akışkanların akış oranını kontrol etmek için daralmalar veya orifisler içeren chokelardır. Chokelar, shutoff vanası olarak kullanılmak üzere tasarlanmamıştır. Ayarlanabilir chokelar, orifis alanını belirten bir mekanizma ile birleştirilmiş, harici olarak kontrol edilen, değişken alanlı bir orifise sahiptir.



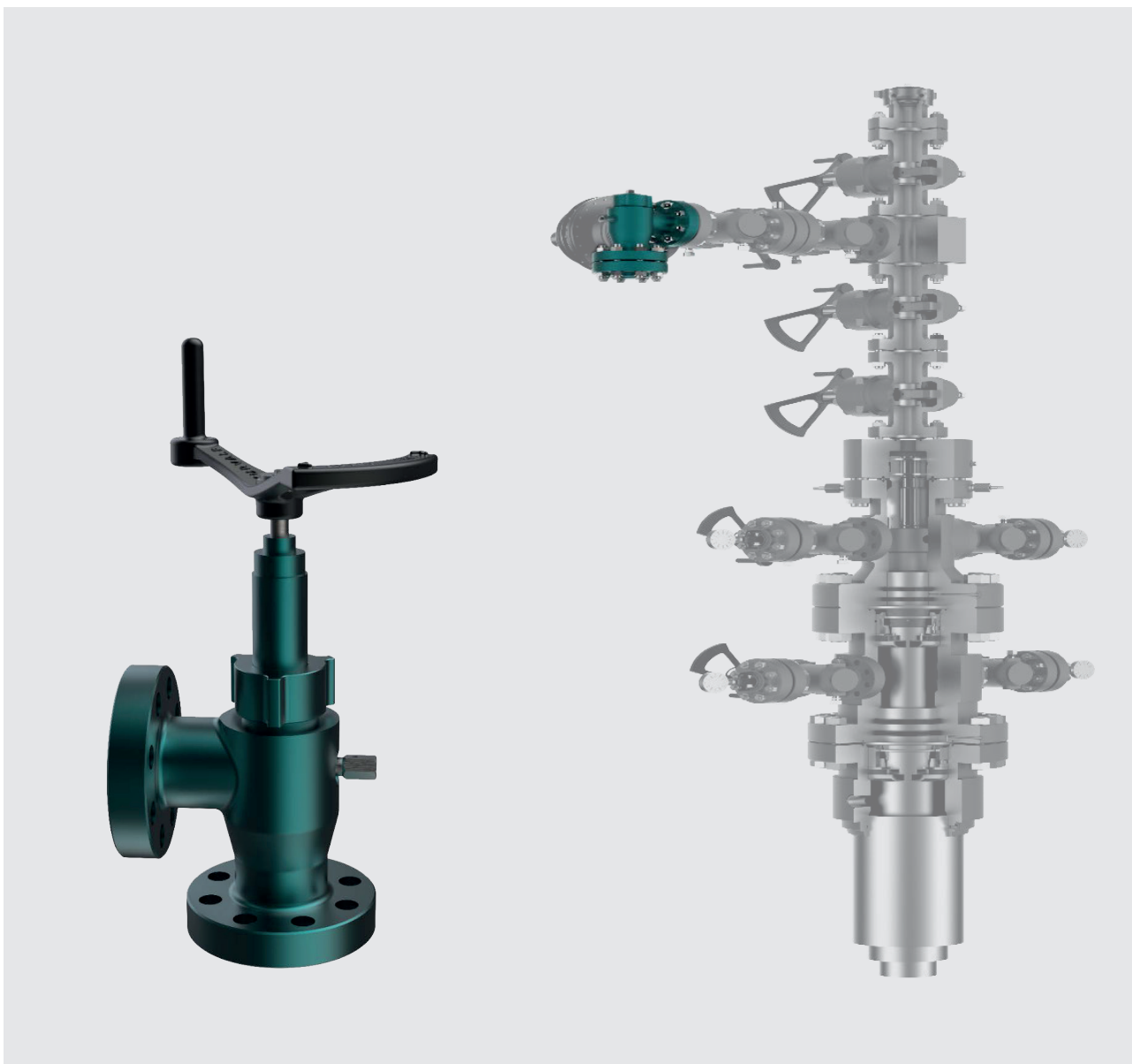
FLANGE SIZE

2 1/16" – 4 1/16"

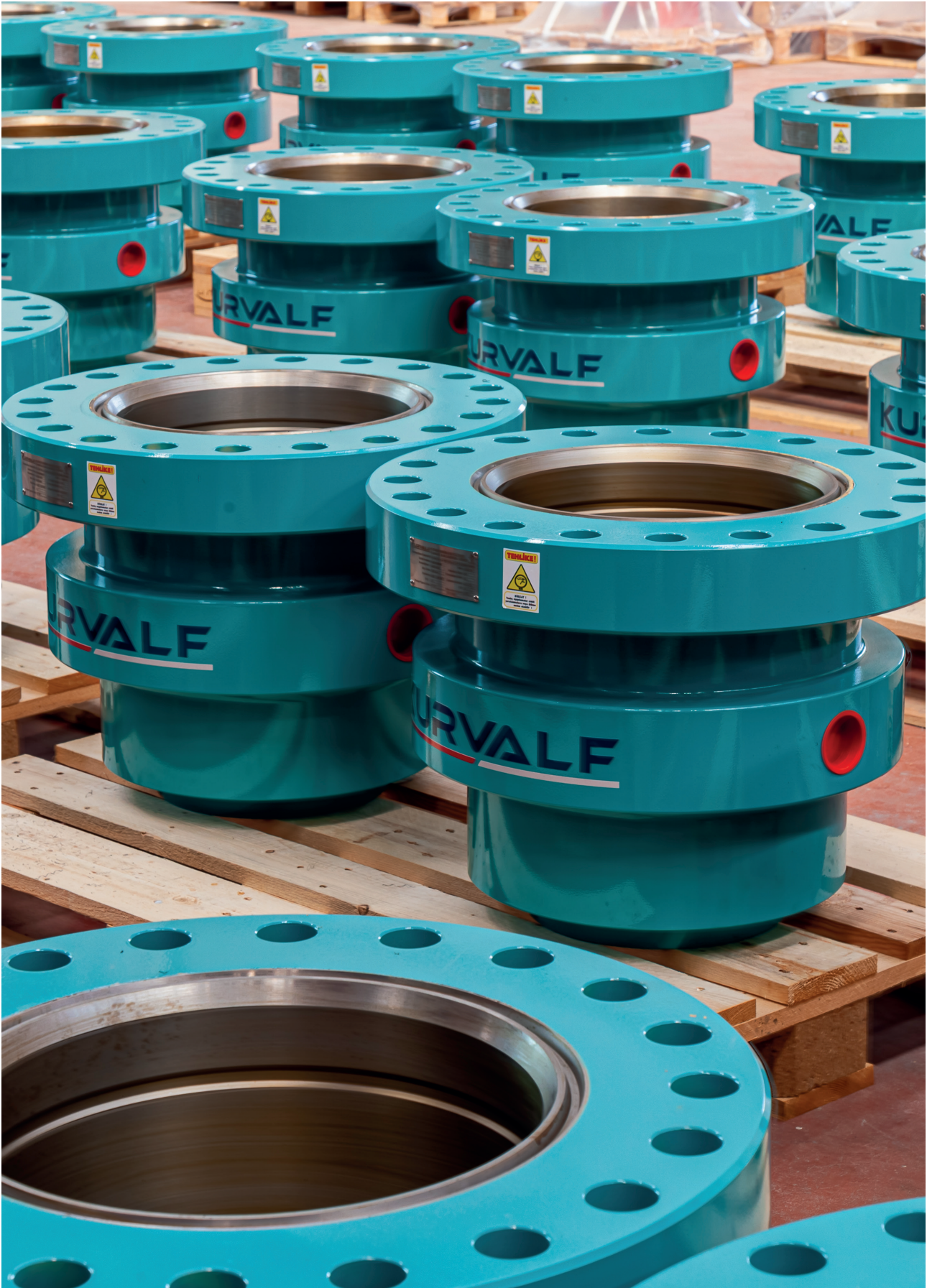


PRESSURE RATINGS

2.000 - 20.000 PSI







CERTIFICATE

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