



TORQUE TRUNNION

Tab. N°	Trunnion-DN050-100-Hard. Peek Devlon Kelf-CL0150-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 2"FB - DN 050 Valve Code: 100 Seats: Hard Peek Devlon Kelf Class: CL0150 Stem: 316 Service: Gas Dirty

Actuator Model:

Max. valve differential pressure (barg) (1)	20	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	50	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	25	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	35	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	45	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	25	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	40	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	566	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN050-100-Hard. Peek Devlon Kelf-CL0300-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 2"FB - DN 050 Valve Code: 100 Seats: Hard Peek Devlon Kelf Class: CL0300 Stem: 316 Service: Gas Dirty

Actuator Model:

Max. valve differential pressure (barg) (1)	50	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	90	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	45	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	65	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	85	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	45	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	70	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	566	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN050-100-Hard. Peek Devlon Kelf-CL0600-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 2"FB - DN 050 Valve Code: 100 Seats: Hard Peek Devlon Kelf Class: CL0600 Stem: 316 Service: Gas Dirty

Actuator Model:

Max. valve differential pressure (barg) (1)	100	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	130	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	65	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	95	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	120	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	65	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	100	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	566	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN050-100-Hard. Peek Devlon Kelf-CL1500-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 2"FB - DN 050 Valve Code: 100 Seats: Hard Peek Devlon Kelf Class: CL1500 Stem: 316 Service: Gas Dirty

Actuator Model:

Max. valve differential pressure (barg) (1)	250	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	255	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	130	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	180	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	230	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	130	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	195	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	795	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN050-100-Hard. Peek Devlon Kelf-CL2500-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 2"FB - DN 050 Valve Code: 100 Seats: Hard Peek Devlon Kelf Class: CL2500 Stem: 316 Service: Gas Dirty

Actuator Model:

Max. valve differential pressure (barg) (1)	420	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	380	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	190	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	270	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	345	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	190	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	285	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	795	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN080-100-Hard. Peek Devlon Kelf-CL0150-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 3"FB - DN 080 **Valve Code: 100** **Seats: Hard Peek Devlon Kelf** **Class: CL0150** **Stem: 316** **Service: Gas Dirty**

Actuator Model:

Max. valve differential pressure (barg) (1)	20	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	120	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	60	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	85	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	110	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	60	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	90	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	795	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN080-100-Hard. Peek Devlon Kelf-CL0300-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 3"FB - DN 080 **Valve Code: 100** **Seats: Hard Peek Devlon Kelf** **Class: CL0300** **Stem: 316** **Service: Gas Dirty**

Actuator Model:

Max. valve differential pressure (barg) (1)	50	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	155	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	80	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	110	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	140	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	80	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	120	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	795	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN080-100-Hard. Peek Devlon Kelf-CL0600-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 3"FB - DN 080 **Valve Code: 100** **Seats: Hard Peek Devlon Kelf** **Class: CL0600** **Stem: 316** **Service: Gas Dirty**

Actuator Model:

Max. valve differential pressure (barg) (1)	100	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	255	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	130	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	180	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	230	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	130	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	195	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	795	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN080-100-Hard. Peek Devlon Kelf-CL0900-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 3"FB - DN 080 Valve Code: 100 Seats: Hard Peek Devlon Kelf Class: CL0900 Stem: 316 Service: Gas Dirty

Actuator Model:

Max. valve differential pressure (barg) (1)	150	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	345	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	175	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	245	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	315	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	175	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	260	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	2318	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN080-100-Hard. Peek Devlon Kelf-CL1500-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 3"FB - DN 080 Valve Code: 100 Seats: Hard Peek Devlon Kelf Class: CL1500 Stem: 316 Service: Gas Dirty

Actuator Model:

Max. valve differential pressure (barg) (1)	250	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	545	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	275	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	385	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	495	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	275	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	410	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	2318	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN080-100-Hard. Peek Devlon Kelf-CL2500-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 3"FB - DN 080 **Valve Code: 100** **Seats: Hard Peek Devlon Kelf** **Class: CL2500** **Stem: 316** **Service: Gas Dirty**

Actuator Model:

Max. valve differential pressure (barg) (1)	420	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	660	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	330	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	465	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	595	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	330	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	495	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	2318	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN100-100-Hard. Peek Devlon Kelf-CL0150-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 4"FB - DN 100 Valve Code: 100 Seats: Hard Peek Devlon Kelf Class: CL0150 Stem: 316 Service: Gas Dirty

Actuator Model:

Max. valve differential pressure (barg) (1)	20	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	205	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	105	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	145	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	185	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	105	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	155	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	2318	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN100-100-Hard. Peek Devlon Kelf-CL0300-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 4"FB - DN 100 **Valve Code:** 100 **Seats:** Hard Peek Devlon Kelf **Class:** CL0300 **Stem:** 316 **Service:** Gas Dirty

Actuator Model:

Max. valve differential pressure (barg) (1)	50	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	265	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	135	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	190	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	240	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	135	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	200	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	2318	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN100-100-Hard. Peek Devlon Kelf-CL0600-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 4"FB - DN 100 **Valve Code:** 100 **Seats:** Hard Peek Devlon Kelf **Class:** CL0600 **Stem:** 316 **Service:** Gas Dirty

Actuator Model:

Max. valve differential pressure (barg) (1)	100	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	445	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	225	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	315	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	405	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	225	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	335	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	2318	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN100-100-Hard. Peek Devlon Kelf-CL0900-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 4"FB - DN 100 Valve Code: 100 Seats: Hard Peek Devlon Kelf Class: CL0900 Stem: 316 Service: Gas Dirty

Actuator Model:

Max. valve differential pressure (barg) (1)	150	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	735	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	370	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	515	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	665	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	370	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	555	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	6027	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN100-100-Hard. Peek Devlon Kelf-CL1500-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 4"FB - DN 100 Valve Code: 100 Seats: Hard Peek Devlon Kelf Class: CL1500 Stem: 316 Service: Gas Dirty

Actuator Model:

Max. valve differential pressure (barg) (1)	250	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	1135	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	570	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	795	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	1025	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	570	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	855	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	6027	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN150-100-Hard. Peek Devlon Kelf-CL0150-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 6"FB - DN 150 Valve Code: 100 Seats: Hard Peek Devlon Kelf Class: CL0150 Stem: 316 Service: Gas Dirty

Actuator Model:

Max. valve differential pressure (barg) (1)	20	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	500	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	250	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	350	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	450	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	250	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	370	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	2318	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN150-100-Hard. Peek Devlon Kelf-CL0300-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 6"FB - DN 150 Valve Code: 100 Seats: Hard Peek Devlon Kelf Class: CL0300 Stem: 316 Service: Gas Dirty

Actuator Model:

Max. valve differential pressure (barg) (1)	50	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	570	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	280	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	390	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	510	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	280	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	420	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	2318	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN150-100-Hard. Peek Devlon Kelf-CL0600-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 6"FB - DN 150 Valve Code: 100 Seats: Hard Peek Devlon Kelf Class: CL0600 Stem: 316 Service: Gas Dirty

Actuator Model:

Max. valve differential pressure (barg) (1)	100	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	940	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	470	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	650	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	840	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	470	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	700	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	4006	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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TORQUE TRUNNION

Tab. N°	Trunnion-DN150-100-Hard. Peek Devlon Kelf-CL1500-316-Gas Dirty
Rev. N°	0
Data :	28/12/2018

Valve Tag/Item:

Valve: 6"FB - DN 150 **Valve Code: 100** **Seats: Hard Peek Devlon Kelf** **Class: CL1500** **Stem: 316** **Service: Gas Dirty**

Actuator Model:

Max. valve differential pressure (barg) (1)	250	Max. Actr. supply pressure (barg) (3)		Minimum Actr. supply pressure (barg)		Safety factor (5)
Valve opening break torque (Nm)	2010	Actuator opening break torque (Nm)		Actuator opening break torque (Nm)		
Valve opening running torque (Nm)	1000	Actuator opening running torque (Nm)		Actuator opening running torque (Nm)		
Valve opening end torque (Nm)	1400	Actuator opening end torque (Nm)		Actuator opening end torque (Nm)		
Valve closing break torque (Nm)	1800	Actuator closing break torque (Nm)		Actuator closing break torque (Nm)		
Valve closing running torque (Nm)	1000	Actuator closing running torque (Nm)		Actuator closing running torque (Nm)		
Valve closing end torque (Nm)	1500	Actuator closing end torque (Nm)		Actuator closing end torque (Nm)		
		Max. Actr. allowable pressure (barg) (4)				
Max. allowable stem torque (Nm)	7068	Max. actuator output torque (Nm) (2)				

NOTES:

All torques values are subject to test checks in manufacturers premises prior to acceptance of the related equipment.

- 1 - Nominal pressure of valve. The maximum allowed value is related to valve material and regulated by limitation indicated in the B.16.34
- 2 - This value corresponds to the actuator stall at the maximum air supply pressure.
- 3 - This value may be equal to the maximum regulated pressure on the actuator provided a safety valve is supplied on the related actuator.
- 4 - This is the Maximum allowable working pressure of the actuator, i.e. the maximum pressure that can be applied to it without damage.
- 5 - The safety factor is the ratio of the actuator output torque at the minimum supply pressure over the valve required torque at the maximum differential pressure.
This value must be a minimum of 1.30, unless larger values are specified in the requisition or in the valve data sheets.

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