



execução standard : DN 40-50

MS1

ESCALAS	bar	kPa	MPa
0...1			AB
0...1,6			AB
0...2,5	AB		AB
0...4	AB		AB
0...6	AB		B
0...10	AB		B
0...16	AB		B
0...25	AB		B
0...40	AB		B
0...60	B		
0...100	B		
0...160	B		
0...250	B	AB	
0...400	B	AB	
0...600		AB	
0...1000		AB	
0...1600		AB	
0...2500		AB	

"A" = DN40; "B" = DN50.

execução standard : DN 150

ESCALAS	bar (1)	kPa	MPa	bar ext.
				psi int.
0...1	♦		♦	♦
0...1,6	♦		♦	♦
0...2,5	♦		♦	♦
0...4	♦		♦	♦
0...6	♦		♦	♦
0...10	♦		♦	♦
0...16	♦		♦	♦
0...25	♦		♦	♦
0...40	♦		♦	♦
0...60	♦	♦	♦	♦
0...100	♦	♦	♦	♦
0...160	♦	♦		♦
0...250	♦	♦		♦
0...400	♦	♦		♦
0...600	♦	♦		♦
0...1000	♦	♦		♦
0...1600		♦		
0...2500		♦		

(1) disponíveis também kg/cm²

ESCALAS	psi	psi int.
		kPa ext.
0...15	♦	♦
0...30	♦	♦
0...60	♦	♦
0...100	♦	♦
0...160	♦	♦
0...200	♦	♦
0...300	♦	♦
0...400	♦	♦
0...600	♦	♦
0...800	♦	♦
0...1000	♦	♦
0...1500	♦	♦
0...2000	♦	♦
0...3000	♦	♦
0...4000	♦	♦
0...5000	♦	♦
0...6000	♦	♦
0...10000	♦	♦
0...15000	♦	♦

ESCALAS	bar	kPa	bar ext.
			psi int.*
-1...0	♦		♦
-1...0,6	♦		♦
-1...1,5	♦		♦
-1...3	♦		♦
-1...5	♦		♦
-1...9	♦		♦
-1...15	♦		♦
-1...24	♦		♦
-100...0		♦	
-100...150		♦	
-100...300		♦	
-100...500		♦	
-100...900		♦	
-100...1500		♦	

* unidade de medida para vácuo: "inHg"

ESCALAS	psi*	psi int.*
		kPa ext.
-30...0	♦	♦
-30...15	♦	♦
-30...30	♦	♦
-30...150	♦	

* unidade de medida para vácuo: "inHg"

execução standard : DN 40-50-63

MS2

ESCALAS	bar
-1...0	C
0...1	C
0...1,6	C
0...2,5	ABC
0...4	ABC
0...6	ABC
0...10	ABC
0...16	ABC
0...25	ABC
0...40	ABC

ESCALAS	psi
0...15	C
0...30	ABC
0...60	ABC
0...100	ABC
0...160	ABC
0...200	ABC
0...300	ABC
0...400	ABC
0...500	ABC
0...600	ABC

"A" = DN40; "B" = DN50; "C" = DN63.



manômetros de mola tubular : campo de escala disponíveis

caixa em aço carbono : DN 40-50-63

MS3-MS7

ESCALAS	bar
-1...0	C
0...1	C
0...1,6	C
0...2,5	ABC
0...4	ABC
0...6	ABC
0...10	ABC
0...16	ABC
0...25	ABC
0...40	ABC
0...60	ABC
0...100	ABC
0...160	ABC
0...250	ABC

ESCALAS	psi
0...15	C
0...30	ABC
0...60	ABC
0...100	ABC
0...160	ABC
0...200	ABC
0...300	ABC
0...400	ABC
0...500	ABC
0...600	ABC
0...1000	ABC
0...1500	ABC
0...2000	ABC
0...3000	ABC

*"A" = DN40; "B" = DN50; "C" = DN63.

execução antivibrações : DN 100

MS4

ESCALAS	bar (1)	kPa	MPa	bar ext.		
				psi int.	kPa int.	MPa int.
0...1	◆		◆	◆	◆	
0...1,6	◆		◆	◆	◆	
0...2,5	◆		◆	◆	◆	
0...4	◆		◆	◆	◆	
0...6	◆		◆	◆	◆	
0...10	◆		◆	◆		◆
0...16	◆		◆	◆		◆
0...25	◆		◆	◆		◆
0...40	◆		◆	◆		◆
0...60	◆		◆	◆		◆
0...100	◆	◆	◆	◆		◆
0...160	◆	◆	◆	◆		◆
0...250	◆	◆	◆	◆		◆
0...300	◆					
0...400	◆	◆		◆		◆
0...600	◆	◆		◆		◆
0...1000	◆	◆		◆		◆
0...1600		◆				
0...2500		◆				

(1) Disponível também kg/cm²

ESCALAS	psi	psi ext.	
		bar int.	kg/cm ² int.
0...15	◆	◆	◆
0...30	◆	◆	◆
0...60	◆	◆	◆
0...100	◆	◆	◆
0...160	◆	◆	◆
0...200	◆	◆	◆
0...300	◆	◆	◆
0...400	◆	◆	◆
0...600	◆	◆	◆
0...1000	◆	◆	◆
0...1500	◆	◆	◆
0...2000	◆	◆	◆
0...3000	◆	◆	◆
0...4000	◆	◆	◆
0...5000	◆	◆	◆
0...6000	◆	◆	◆
0...10000	◆	◆	◆
0...15000	◆	◆	◆

ESCALAS	bar	kPa	bar ext.	
			psi int.*	kPa int.
-1...0	◆		◆	◆
-1...0,6	◆		◆	◆
-1...1,5	◆		◆	◆
-1...3	◆		◆	◆
-1...5	◆		◆	◆
-1...9	◆		◆	◆
-1...15	◆		◆	◆
-1...24	◆		◆	◆
-100...0		◆		
-100...150		◆		
-100...300		◆		
-100...500		◆		
-100...900		◆		
-100...1500		◆		
-100...2400		◆		

* unidade de medida para vácuo: "inHg"

ESCALAS	psi*	psi ext.*	
		Bar int.	kg/cm ² int.
-30...0	◆	◆	◆
-30...15	◆	◆	◆
-30...30	◆	◆	◆
-30...150	◆	◆	◆

* unidade de medida para vácuo: "inHg"

caixa em alumínio : DN 250

MGS8

ESCALAS	bar	kg/cm ²	kPa	MPa
0...1	◆	◆		◆
0...1,6	◆	◆		◆
0...2,5	◆	◆		◆
0...4	◆	◆		◆
0...6	◆	◆		◆
0...10	◆	◆		◆
0...16	◆	◆		◆
0...25	◆	◆		◆
0...40	◆	◆		◆
0...60	◆	◆		◆
0...100	◆	◆	◆	◆
0...160	◆	◆	◆	◆
0...250	◆	◆	◆	◆
0...400	◆	◆	◆	◆
0...600	◆	◆	◆	◆
0...1000	◆	◆	◆	◆
0...1600			◆	
0...2500			◆	

ESCALAS	psi
0...60	◆
0...100	◆
0...300	◆
0...400	◆
0...600	◆
0...1000	◆
0...1600	◆

mola tubular em aço inox : DN100

MGS44

ESCALAS	bar	kPa	MPa	bar ext.
				psi int.
0...1	♦		♦	♦
0...1,6	♦		♦	♦
0...2,5	♦		♦	♦
0...4	♦		♦	♦
0...6	♦		♦	♦
0...10	♦		♦	♦
0...16	♦		♦	♦
0...25	♦		♦	♦
0...40	♦		♦	♦
0...60	♦			♦
0...100	♦	♦		♦
0...160	♦	♦		♦
0...250	♦	♦		♦
0...300	♦			
0...400	♦	♦		♦
0...600		♦		
0...1000		♦		
0...1600		♦		
0...2500		♦		

ESCALAS	psi
0...15	♦
0...30	♦
0...60	♦
0...100	♦
0...160	♦
0...200	♦
0...300	♦
0...400	♦
0...600	♦
0...1000	♦
0...1500	♦
0...2000	♦
0...3000	♦
0...4000	♦
0...6000	♦

execução antivibração : DN 50

MGS10

ESCALAS	bar	kPa	MPa	bar ext.
				psi int.
0...2,5	♦		♦	♦
0...4	♦		♦	♦
0...6	♦		♦	♦
0...10	♦		♦	♦
0...16	♦		♦	♦
0...25	♦		♦	♦
0...40	♦		♦	♦
0...60	♦			♦
0...100	♦			♦
0...160	♦			♦
0...250	♦	♦		♦
0...400	♦	♦		♦
0...600		♦		
0...1000		♦		
0...1600		♦		
0...2500		♦		

execução antivibrações : DN 63

MG10

ESCALAS	bar	kPa	MPa	bar ext. psi int.	bar ext. kPa int.	bar ext. MPa int.
0...1	♦		♦	♦	♦	
0...1,6	♦		♦	♦	♦	
0...2,5	♦		♦	♦	♦	
0...4	♦		♦	♦	♦	
0...6	♦		♦	♦	♦	
0...10	♦		♦	♦		♦
0...16	♦		♦	♦		♦
0...25	♦		♦	♦		♦
0...40	♦		♦	♦		♦
0...60	♦		♦	♦		♦
0...100	♦	♦		♦		♦
0...160	♦	♦		♦		♦
0...250	♦	♦		♦		♦
0...300	♦			♦		
0...400	♦	♦		♦		♦
0...600	♦	♦		♦		♦
0...1000		♦				
0...1600		♦				
0...2500		♦				

ESCALAS	psi	psi int. kPa ext.	psi ext. bar int.	psi ext. kg/cm ² int.
0...15	♦	♦	♦	♦
0...30	♦	♦	♦	♦
0...60	♦	♦	♦	♦
0...100	♦	♦	♦	♦
0...160	♦	♦	♦	♦
0...200	♦	♦	♦	♦
0...300	♦	♦	♦	♦
0...400	♦	♦	♦	♦
0...500	♦	♦	♦	♦
0...600	♦	♦	♦	♦
0...1000	♦	♦	♦	♦
0...1500	♦	♦	♦	♦
0...2000	♦	♦	♦	♦
0...3000	♦	♦	♦	♦
0...4000	♦	♦	♦	♦
0...5000	♦	♦	♦	♦
0...6000	♦	♦	♦	♦
0...10000	♦	♦	♦	♦

ESCALAS	bar	kPa	bar ext. *psi int.	bar ext. kPa int.
-1...0	♦		♦	♦
-1...0,6	♦		♦	♦
-1...1,5	♦		♦	♦
-1...3	♦		♦	♦
-1...5	♦		♦	♦
-1...9	♦		♦	♦
-1...15	♦		♦	♦
-1...24	♦		♦	♦
-100...0		♦		
-100...150		♦		
-100...300		♦		
-100...500		♦		
-100...900		♦		
-100...1500		♦		

ESCALAS	* psi	* psi int. kPa ext.	* psi ext. bar int.	* psi ext. kg/cm ² int.
-30...0	♦	♦	♦	♦
-30...15	♦	♦	♦	♦
-30...30	♦	♦	♦	♦
-30...150	♦		♦	

* unidade de medida para vácuo : "inHg"

execução antivibrações : DN 100

MG10

ESCALAS	bar	kPa	MPa	bar ext. psi int.	bar ext. kPa int.	bar ext. MPa int.
0...1	♦		♦	♦	♦	
0...1,6	♦		♦	♦	♦	
0...2,5	♦		♦	♦	♦	
0...4	♦		♦	♦	♦	
0...6	♦		♦	♦	♦	
0...10	♦		♦	♦		♦
0...16	♦		♦	♦		♦
0...25	♦		♦	♦		♦
0...40	♦		♦	♦		♦
0...60	♦		♦	♦		♦
0...100	♦	♦		♦		♦
0...160	♦	♦		♦		♦
0...250	♦	♦		♦		♦
0...300	♦			♦		
0...400	♦	♦		♦		♦
0...600	♦	♦		♦		♦
0...1000	♦	♦		♦		♦
0...1600		♦				
0...2500		♦				

ESCALAS	psi	psi int. kPa ext.	psi ext. bar int.	psi ext. kg/cm ² int.
0...15	♦	♦	♦	♦
0...30	♦	♦	♦	♦
0...60	♦	♦	♦	♦
0...100	♦	♦	♦	♦
0...160	♦	♦	♦	♦
0...200	♦	♦	♦	♦
0...300	♦	♦	♦	♦
0...400	♦	♦	♦	♦
0...600	♦	♦	♦	♦
0...800	♦	♦	♦	♦
0...1000	♦	♦	♦	♦
0...1500	♦	♦	♦	♦
0...2000	♦	♦	♦	♦
0...3000	♦	♦	♦	♦
0...4000	♦	♦	♦	♦
0...5000	♦	♦	♦	♦
0...6000	♦	♦	♦	♦
0...10000	♦	♦	♦	♦
0...15000	♦	♦	♦	♦

ESCALAS	bar	kPa	bar ext. psi int.*	bar ext. kPa int.
-1...0	♦		♦	♦
-1...0,6	♦		♦	♦
-1...1,5	♦		♦	♦
-1...3	♦		♦	♦
-1...5	♦		♦	♦
-1...9	♦		♦	♦
-1...15	♦		♦	♦
-1...24	♦		♦	♦
-100...0		♦		
-100...150		♦		
-100...300		♦		
-100...500		♦		
-100...900		♦		
-100...1500		♦		
-100...2400		♦		

ESCALAS	psi*	psi int.* kPa ext.	psi ext.* bar int.	psi ext.* kg/cm ² int.
-30...0	♦	♦	♦	♦
-30...15	♦	♦	♦	♦
-30...30	♦	♦	♦	♦
-30...150	♦		♦	

* unidade de medida para vácuo : "inHg"

* unidade de medida para vácuo : "inHg"

execução "total inox" : DN 40-50

MG18

ESCALAS	bar	kPa	MPa
0...2,5	♦		♦
0...4	♦		♦
0...6	♦		
0...10	♦		
0...16	♦		
0...25	♦		
0...40	♦		
0...250		♦	
0...400		♦	
0...600		♦	
0...1000		♦	
0...1600		♦	
0...2500		♦	



execução "total inox" : DN 63

MGS18

ESCALAS	bar	kPa	MPa	bar ext. psi int.	bar ext. kPa int.	bar ext. MPa int.
0...1	♦			♦	♦	
0...1,6	♦			♦	♦	
0...2,5	♦			♦	♦	
0...4	♦			♦	♦	
0...6	♦			♦	♦	
0...10	♦			♦	♦	♦
0...16	♦			♦	♦	♦
0...25	♦			♦	♦	♦
0...40	♦			♦	♦	♦
0...60	♦			♦	♦	♦
0...100	♦	♦	♦	♦	♦	♦
0...160	♦	♦		♦	♦	♦
0...250	♦			♦	♦	♦
0...300	♦			♦		
0...400	♦	♦		♦		♦
0...600	♦	♦		♦		♦
0...1000	♦	♦		♦		♦
0...1600	♦			♦		♦
0...2500		♦				

ESCALAS	psi	psi hydr. kPa ext.	psi ext. bar int.	psi ext. kg/cm ² int.
0...15	♦	♦	♦	♦
0...30	♦	♦	♦	♦
0...60	♦	♦	♦	♦
0...100	♦	♦	♦	♦
0...160	♦	♦	♦	♦
0...200	♦	♦	♦	♦
0...300	♦	♦	♦	♦
0...400	♦	♦	♦	♦
0...600	♦	♦	♦	♦
0...1000	♦	♦	♦	♦
0...1500	♦	♦	♦	♦
0...2000	♦	♦	♦	♦
0...3000	♦	♦	♦	♦
0...4000	♦	♦	♦	♦
0...5000	♦	♦	♦	♦
0...6000	♦	♦	♦	♦
0...10000	♦	♦	♦	♦
0...15000	♦	♦	♦	♦

ESCALAS	bar	kPa	bar ext. psi int.*	bar ext. kPa int.
-1...0	♦		♦	♦
-1...0,6	♦		♦	♦
-1...1,5	♦		♦	♦
-1...3	♦		♦	♦
-1...5	♦		♦	♦
-1...9	♦		♦	♦
-1...15	♦		♦	♦
-1...24	♦		♦	♦
-100...0		♦		
-100...150		♦		
-100...300		♦		
-100...500		♦		
-100...900		♦		
-100...1500		♦		

ESCALAS	psi*	psi int.* kPa ext.	psi ext.* bar int.	psi ext.* kg/cm ² int.
-30...0	♦	♦	♦	♦
-30...15	♦	♦	♦	♦
-30...30	♦	♦	♦	♦
-30...150	♦		♦	

* unidade de medida para vácuo : "inHg"

* unidade de medida para vácuo : "inHg"

execução "total inox" : DN 100-150

MGS18

"E" = DN100; "G" = DN150

ESCALAS	bar	kPa	MPa	bar ext. psi int.	bar ext. kPa int.	bar ext. MPa int.
0...0,6 (1)	E G			E G	E G	
0...1	E G			E G	E G	
0...1,6	E G			E G	E G	
0...2,5	E G			E G	E G	
0...4	E G			E G	E G	
0...6	E G			E G	E G	
0...10	E G			E G	E G	E G
0...16	E G			E G	E G	E G
0...25	E G			E G	E G	E G
0...40	E G			E G	E G	E G
0...60	E G	E G (1)		E G	E G	E G
0...100	E G	E G		E G	E G	E G
0...160	E G	E G		E G	E G	E G
0...250	E G	E G		E G	E G	E G
0...300	E G					
0...400	E G	E G		E G	E G	E G
0...600	E G	E G		E G	E G	E G
0...1000	E G	E G		E G	E G	E G
0...1600	E G	E G		E G	E G	E G
0...2500		E G				

(1) não disponíveis para MGS 18/3 (1.18.3)

ESCALAS	psi	psi int. kPa ext.	psi ext. bar int.	psi ext. kg/cm ² int.
0...15	E G	E G	E G	E G
0...30	E G	E G	E G	E G
0...60	E G	E G	E G	E G
0...100	E G	E G	E G	E G
0...160	E G	E G	E G	E G
0...200	E G	E G	E G	E G
0...300	E G	E G	E G	E G
0...400	E G	E G	E G	E G
0...600	E G	E G	E G	E G
0...1000	E G	E G	E G	E G
0...1500	E G	E G	E G	E G
0...2000	E G	E G	E G	E G
0...3000	E G	E G	E G	E G
0...4000	E G	E G	E G	E G
0...5000	E G	E G	E G	E G
0...6000	E G	E G	E G	E G
0...10000	E G	E G	E G	E G
0...15000	E G	E G	E G	E G
0...20000	E G	E G	E G	E G
0...30000 (1)	E G	E G	E G	E G

(1) pressão de trabalho: máx 75% do V.F.E.
sobreprensão temporanea: 10% do V.F.E.

ESCALAS	bar	kPa	bar ext. psi int.*	bar ext. kPa int.
-1...0	E G		E G	E G
-1...0,6	E G		E G	E G
-1...1,5	E G		E G	E G
-1...3	E G		E G	E G
-1...5	E G		E G	E G
-1...9	E G		E G	E G
-1...15	E G		E G	E G
-1...24	E G		E G	E G
-100...0		E G		
-100...150		E G		
-100...300		E G		
-100...500		E G		
-100...900		E G		
-100...1500		E G		
-100...2400		E G		

* unidade de medida para vácuo : "inHg"

ESCALAS	psi*	psi int.* kPa ext.	psi ext.* bar int.	psi ext.* kg/cm ² int.
-30...0	E G	E G	E G	E G
-30...15	E G	E G	E G	E G
-30...30	E G	E G	E G	E G
-30...150	E G	/	E G	/

* unidade de medida para vácuo : "inHg"

execução "total inox" "solid-front" : DN 63

MGS20

ESCALAS	bar	kPa	MPa
0...1	♦		♦
0...1,6	♦		♦
0...2,5	♦		♦
0...4	♦		♦
0...6	♦		♦
0...10	♦		♦
0...16	♦		♦
0...25	♦		♦
0...40	♦		♦
0...60	♦		♦
0...100	♦	♦	♦
0...160	♦	♦	
0...250	♦	♦	
0...300	♦		
0...400	♦	♦	
0...600	♦	♦	
0...1000	♦	♦	
0...1600		♦	
0...2500		♦	

ESCALAS	psi
0...15	♦
0...30	♦
0...60	♦
0...100	♦
0...160	♦
0...200	♦
0...300	♦
0...400	♦
0...600	♦
0...1000	♦
0...1500	♦
0...2000	♦
0...3000	♦
0...4000	♦
0...5000	♦
0...6000	♦
0...10000	♦
0...15000	♦

ESCALAS	bar	kPa
-1...0	♦	
-1...0,6	♦	
-1...1,5	♦	
-1...3	♦	
-1...5	♦	
-1...9	♦	
-1...15	♦	
-1...24	♦	
-100...0		♦
-100...150		♦
-100...300		♦
-100...500		♦
-100...900		♦
-100...1500		♦

* unidade de medida para vácuo : "inHg"

ESCALAS	psi*
-30...0	♦
-30...15	♦
-30...30	♦
-30...150	♦

* unidade de medida para vácuo : "inHg"



manômetros de mola tubular : campo de escala disponíveis

execução "total inox" "solid-front" : DN 100-150

MGS20

"E" = DN100; "G" = DN150

ESCALAS	bar	kPa	MPa	bar ext.	bar ext.	bar ext.
				psi int.	kPa int.	MPa int.
0...0,6 (1)	E G			E G	E G	
0...1	E G		E G	E G	E G	
0...1,6	E G		E G	E G	E G	
0...2,5	E G		E G	E G	E G	
0...4	E G		E G	E G	E G	
0...6	E G		E G	E G	E G	
0...10	E G		E G	E G		E G
0...16	E G		E G	E G		E G
0...25	E G		E G	E G		E G
0...40	E G		E G	E G		E G
0...60	E G	E G (1)	E G	E G		E G
0...100	E G	E G	E G	E G		E G
0...160	E G	E G	E G	E G		E G
0...250	E G	E G		E G		E G
0...300	E G					
0...400	E G	E G		E G		E G
0...600	E G	E G		E G		E G
0...1000	E G	E G		E G		E G
0...1600	E G	E G		E G		E G
0...2500		E G				

(1) não disponíveis para 1.20.3

ESCALAS	psi	psi внут.	psi ext.	psi ext.
		kPa ext.	bar int.	kg/cm ² int.
0...15	E G	E G	E G	E G
0...30	E G	E G	E G	E G
0...60	E G	E G	E G	E G
0...100	E G	E G	E G	E G
0...160	E G	E G	E G	E G
0...200	E G	E G	E G	E G
0...300	E G	E G	E G	E G
0...400	E G	E G	E G	E G
0...600	E G	E G	E G	E G
0...1000	E G	E G	E G	E G
0...1500	E G	E G	E G	E G
0...2000	E G	E G	E G	E G
0...3000	E G	E G	E G	E G
0...4000	E G	E G	E G	E G
0...5000	E G	E G	E G	E G
0...6000	E G	E G	E G	E G
0...10000	E G	E G	E G	E G
0...15000	E G	E G	E G	E G
0...20000	E G	E G	E G	E G
0...30000 (1)	E G	E G	E G	E G

(1) pressão de trabalho: máx 75% do V.F.E.
sobrepessão temporanea: 10% do V.F.E.

ESCALAS	bar	kPa	bar ext.	bar ext.
			psi int.*	kPa int.
-1...0	E G		E G	E G
-1...0,6	E G		E G	E G
-1...1,5	E G		E G	E G
-1...3	E G		E G	E G
-1...5	E G		E G	E G
-1...9	E G		E G	E G
-1...15	E G		E G	E G
-1...24	E G		E G	E G
-100...0		E G		
-100...150		E G		
-100...300		E G		
-100...500		E G		
-100...900		E G		
-100...1500		E G		
-100...2400		E		

* unidade de medida para vácuo: "inHg"

ESCALAS	psi*	psi int.*	psi ext.*	psi ext.*
		kPa ext.	bar int.	kg/cm ² int.
-30...0	E G	E G	E G	E G
-30...15	E G	E G	E G	E G
-30...30	E G	E G	E G	E G
-30...150	E G	/	E G	/

* unidade de medida para vácuo: "inHg"

"solid-front" caixa tronco cônica : DN125

MGS30

ESCALAS	bar	kPa	MPa	bar ext.
				psi int.
0...0,6	♦ (1)			♦ (1)
0...1	♦			♦
0...1,6	♦			♦
0...2,5	♦			♦
0...4	♦			♦
0...6	♦			♦
0...10	♦			♦
0...16	♦			♦
0...25	♦			♦
0...40	♦			♦
0...60	♦	♦ (1)		♦
0...100	♦	♦	♦ (3)	♦
0...160	♦	♦	♦ (3)	♦
0...250	♦	♦		♦
0...300	♦			♦
0...400	♦	♦		♦
0...600	♦	♦		♦
0...1000	♦ (3)	♦		♦ (3)
0...1600	♦ (3)	♦		♦ (3)
0...2500		♦		

ESCALAS	psi	psi int.	psi ext.
		kPa ext.	bar int.
0...15	♦	♦	♦
0...30	♦	♦	♦
0...60	♦	♦	♦
0...100	♦	♦	♦
0...160	♦	♦	♦
0...200	♦	♦	♦
0...300	♦	♦	♦
0...400	♦	♦	♦
0...600	♦	♦	♦
0...800	♦	♦	♦
0...1000	♦	♦	♦
0...1500	♦	♦	♦
0...2000	♦	♦	♦
0...3000	♦	♦	♦
0...4000	♦	♦	♦
0...5000	♦	♦	♦
0...6000	♦	♦	♦
0...10000	♦	♦	♦
0...15000 (3)	♦	♦	♦
0...20000 (3)	♦	♦	♦
0...30000(2)(3)	♦	♦	♦

ESCALAS	bar	kPa
-1...0	♦	
-1...0,6	♦	
-1...1,5	♦	
-1...3	♦	
-1...5	♦	
-1...9	♦	
-1...15	♦	
-1...24	♦	
-100...0		♦
-100...150		♦
-100...300		♦
-100...500		♦
-100...900		♦
-100...1500		♦
-100...2400		♦

ESCALAS	psi*	psi int.*
		kPa ext.
-30...0	♦	♦
-30...15	♦	♦
-30...30	♦	♦
-30...60	♦	♦
-30...100	♦	♦
-30...150	♦	♦

* unidade de medida para vácuo: "inHg"

(1) não disponíveis para modelo com enchimento

(2) pressão de trabalho: máx 75% do VFE; sobrepessão temporanea: 10% do VFE

(3) a causa dos erros dos histerese, com pressão decrescente a precisão é de máx 1,2% do VFE

"solid-front" caixa tronco cônica : DN125

MGS30

EXTRA

ESCALAS	bar	kPa	MPa
0...1			♦
0...1,6			♦
0...2,5	♦		♦
0...4	♦		♦
0...6	♦		♦
0...10	♦		♦
0...16	♦		♦
0...25	♦		♦
0...40	♦		♦
0...60	♦		♦
0...100	♦		♦
0...160	♦		
0...250	♦	♦	
0...300	♦	♦	
0...400	♦	♦	
0...600	♦	♦	
0...1000	♦	♦	
0...1600		♦	
0...2500		♦	

ESCALAS	psi	psi int.
		kPa ext.
0...30	F	♦
0...60	F	♦
0...100	F	♦
0...160	F	♦
0...200	F	♦
0...300	F	♦
0...400	F	♦
0...600	F	♦
0...800	F	♦
0...1000	F	♦
0...1500	F	♦
0...2000	F	♦
0...3000	F	♦
0...4000	F	♦
0...5000	F	♦
0...6000	F	♦
0...10000	F	♦
0...15000	F	♦

ESCALAS	bar
-1...1,5	♦
-1...3	♦
-1...5	♦
-1...9	♦
-1...15	♦
-1...24	♦

ESCALAS	psi*	psi int.*
		kPa ext.
-30...15	♦	♦
-30...30	♦	♦
-30...60	♦	♦
-30...100	♦	♦
-30...150	♦	♦
-30...200		♦
-30...300	♦	♦

* unidade de medida para vácuo: "in/Hg"



execução NACE : DN100-150

MGS36-37

"E" = DN100; "G" = DN150

ESCALAS	bar	kPa	MPa
0...1	EG		EG
0...1,6	EG		EG
0...2,5	EG		EG
0...4	EG		EG
0...6	EG		EG
0...10	EG		EG
0...16	EG		EG
0...25	EG		EG
0...40	EG		EG
0...60	EG		EG
0...100	EG	EG	
0...160	EG	EG	
0...250	EG	EG	
0...300	EG		
0...400	EG	EG	
0...600	EG	EG	

ESCALAS	psi
0...15	EG
0...30	EG
0...60	EG
0...100	EG
0...160	EG
0...200	EG
0...300	EG
0...400	EG
0...600	EG
0...1000	EG
0...1500	EG
0...2000	EG
0...3000	EG
0...4000	EG
0...5000	EG
0...6000	EG

ESCALAS	bar	kPa
-1...0	EG	EG
-1...0,6	EG	
-1...1,5	EG	
-1...3	EG	
-1...5	EG	
-1...9	EG	
-1...15	EG	
-1...24	EG	
-100...0		EG
-100...150		EG
-100...300		EG
-100...500		EG
-100...900		EG
-100...1500		EG
-100...2400		E

ESCALAS	psi*
-30...0	EG
-30...15	EG
-30...30	EG
-30...150	EG

* unidade de medida para vácuo: "inHg"

* unidade de medida para vácuo "inHg"

versão NACE "solid-front" : DN100-150

MGS40-41

"E" = DN100; "G" = DN150

ESCALAS	bar	kPa	MPa
0...1	EG		EG
0...1,6	EG		EG
0...2,5	EG		EG
0...4	EG		EG
0...6	EG		EG
0...10	EG		EG
0...16	EG		EG
0...25	EG		EG
0...40	EG		EG
0...60	EG		EG
0...100	EG	EG	
0...160	EG	EG	
0...250	EG	EG	
0...300	EG		
0...400	EG	EG	
0...600	EG	EG	

ESCALAS	psi
0...15	EG
0...30	EG
0...60	EG
0...100	EG
0...160	EG
0...200	EG
0...300	EG
0...400	EG
0...600	EG
0...1000	EG
0...1500	EG
0...2000	EG
0...3000	EG
0...4000	EG
0...6000	EG
0...10000	EG

ESCALAS	bar	kPa
-1...0	EG	
-1...0,6	EG	
-1...1,5	EG	
-1...3	EG	
-1...5	EG	
-1...9	EG	
-1...15	EG	
-1...24	EG	
-100...0		EG
-100...150		EG
-100...300		EG
-100...500		EG
-100...900		EG
-100...1500		EG
-100...2400		E

ESCALAS	psi*
-30...0	EG
-30...15	EG
-30...30	EG
-30...150	EG

* unidade de medida para vácuo: "inHg"

* unidade de medida para vácuo: "inHg"

versão NACE "solid-front" , caixa tronco cônica : DN125

MGS60-61

ESCALAS	bar	kPa	MPa
0...1	♦		♦
0...1,6	♦		♦
0...2,5	♦		♦
0...4	♦		♦
0...6	♦		♦
0...10	♦		♦
0...16	♦		♦
0...25	♦		♦
0...40	♦		♦
0...60	♦		♦
0...100	♦	♦	
0...160	♦	♦	
0...250	♦	♦	
0...300	♦		
0...400	♦	♦	
0...600	♦	♦	

ESCALAS	psi
0...15	♦
0...30	♦
0...60	♦
0...100	♦
0...160	♦
0...200	♦
0...300	♦
0...400	♦
0...600	♦
0...800	♦
0...1000	♦
0...1500	♦
0...2000	♦
0...3000	♦
0...4000	♦
0...6000	♦
0...10000	♦

ESCALAS	bar	kPa
-1...0	♦	
-1...0,6	♦	
-1...1,5	♦	
-1...3	♦	
-1...5	♦	
-1...9	♦	
-1...15	♦	
-1...24	♦	
-100...0		♦
-100...150		♦
-100...300		♦
-100...500		♦
-100...900		♦
-100...1500		♦
-100...2400		♦

ESCALAS	psi*
-30...0	♦
-30...15	♦
-30...30	♦
-30...60	♦
-30...100	♦
-30...150	♦

* unidade de medida para vácuo: "inHg"



ESCALAS	bar	kPa	MPa
0...1	◆		◆
0...1,6	◆		◆
0...2,5	◆		◆
0...4	◆		◆
0...6	◆		◆
0...10	◆		◆
0...16	◆		◆
0...25	◆		◆
0...40	◆		◆
0...60	◆		◆
0...100	◆	◆	
0...160	◆	◆	
0...250	◆	◆	
0...300	◆		
0...400	◆	◆	
0...600	◆	◆	
0...1000		◆	
0...1600		◆	
0...2500		◆	

ESCALAS	psi
0...15	◆
0...30	◆
0...60	◆
0...100	◆
0...160	◆
0...200	◆
0...300	◆
0...400	◆
0...600	◆
0...800	◆
0...1000	◆
0...1500	◆
0...2000	◆
0...3000	◆
0...4000	◆
0...5000	◆
0...6000	◆
0...10000	◆

ESCALAS	bar	kPa
-1...0	◆	
-1...0,6	◆	
-1...1,5	◆	
-1...3	◆	
-1...5	◆	
-1...9	◆	
-1...15	◆	
-1...24	◆	
-100...0		◆
-100...150		◆
-100...300		◆
-100...500		◆
-100...900		◆
-100...1500		◆
-100...2400		◆

* unidade de medida para vácuo: "inHg"

ESCALAS	psi*
-30...0	◆
-30...15	◆

* unidade de medida para vácuo: "inHg"

MCE10-18

com contatos elétricos, indutivos ou eletrônicos : DN100

ESCALAS	bar	kPa	MPa
0...1	◆		◆
0...1,6	◆		◆
0...2,5	◆		◆
0...4	◆		◆
0...6	◆		◆
0...10	◆		◆
0...16	◆		◆
0...25	◆		◆
0...40	◆		◆
0...60	◆		◆
0...100	◆	◆	◆
0...160	◆	◆	◆
0...250	◆	◆	
0...400	◆	◆	
0...600	◆	◆	
0...1000		◆	
0...1600 (1)		◆	

ESCALAS	psi
0...15 (1)	F
0...30	◆
0...60	◆
0...100	◆
0...160	◆
0...200	◆
0...300	◆
0...400	◆
0...600	◆
0...1000	◆
0...1500	◆
0...2000	◆
0...3000	◆
0...4000	◆
0...5000	◆
0...6000	◆
0...10000	◆
0...15000	◆
0...20000 (1)	◆

(1) Disponível só para MCE18

MCE20

com contatos elétricos, indutivos ou eletrônicos : DN150

ESCALAS	bar	kPa	MPa
0...1	◆		◆
0...1,6	◆		◆
0...2,5	◆		◆
0...4	◆		◆
0...6	◆		◆
0...10	◆		◆
0...16	◆		◆
0...25	◆		◆
0...40	◆		◆
0...60	◆		◆
0...100	◆	◆	◆
0...160	◆	◆	◆
0...250	◆	◆	
0...400	◆	◆	
0...600	◆	◆	
0...1000	◆	◆	
0...1600	◆	◆	

ESCALAS	psi
0...15	◆
0...30	◆
0...60	◆
0...100	◆
0...160	◆
0...200	◆
0...300	◆
0...400	◆
0...500	◆
0...600	◆
0...1000	◆
0...1500	◆
0...2000	◆
0...3000	◆
0...4000	◆
0...5000	◆
0...6000	◆
0...10000	◆
0...15000	◆
0...20000	◆